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Performance monitoring of the software frameworks for LHC experiments

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1 Introduction

This document presents the technical approach and results of the performance monitoring on the software frameworks for LHC experiments: LHCb, CMS and ALICE. The approach presented in this paper builds upon *openlab*[4] previous work with *pfmon* as monitoring tool.

The monitoring tasks were developed in order to collect information about how the application is being executed by the processor and to understand how the application performs and then, starting from that information, to identify specific functions that could be improved.

This report is organized as follows: Section 2 briefly summarizes the importance of performance monitoring. Section 3 presents the software tools and methodology used in the development of this work. In Section 4, we describe the execution stages in the analysis frameworks for LHC experiments. Section 5 shows the obtained results from the monitoring of the LHCb, CMS and ALICE software frameworks, followed by the main related issues and conclusions.

2 Motivation

Performance monitoring is a necessary practice in High-performance computing. An appropriate monitoring allows to identify well-known signs about how the application is being executed and key processes in that execution. For example, a high percentage of cache misses could be a sign of problems in memory allocation.

In this way, it is possible to find the functions, methods (in terms of the Object-Oriented programming) or procedures that should be modified in order to enhance the application performance according to the technology used.

On the other hand, there is an important issue related to the power and thermal limits of the computer centres (This issue is presented in more detail in [3]). In order to avoid new hardware additions, the goal is to maximize the number of instructions executed per watt consumed.

3 Technical approach

The next section provides an overview of the software tools on which this work was developed. Also, introduces what *pfmon* and *pfmon deluxe* are, and how these were used.

3.1 Monitoring tool: *pfmon*

In order to get information about how the application is being executed by the processor and to understand how the application performs, there is necessary a monitoring tool. In this work *pfmon*[6] was used, a command-line program that, through *perfom2* and *libpfm*, allows access to the Performance Monitoring Unit (PMU) and performance counters (figure 3.1.a. illustrates, the levels and components regarding to *pfmon*).

Perfmon2 is a Linux kernel module that provides a way to collect simple counts and profiles by sampling PMU registers, it also provides support for per-thread and system-wide measurements [1][2].

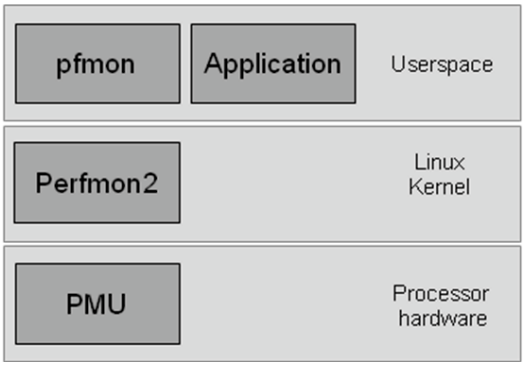

Figure 3.1.a. What is where regarding *pfmon* [3].

One of the advantages of *pfmon* is the non-intrusive method for profiling. It does not require labels into the program code or special compilation modes for the program. With this tool it is possible to get the names of processes executed by the processor. It is possible to set a sampling period (sampling mode) in order to check the function calls and the percentage of utilization in the application execution.

3.2 Information about application performance

As it was mentioned above, *pfmon* can do some measurements on the *PMU* but, in order to understand the performance behaviour of the application execution some additional calculations are necessary. *pfmon deluxe* is a python script written by Andrzej Nowak and Andreas Hirstius designed to provide a specific mode of analysis according to a certain group of events. These modes are: *standard*, *simd1*, *simd2*, *simd_uop* and *stalls*. For the purposes of this work, we used the *standard* and *simd1* modes. The table 3.2.a. shows the information calculated by the *standard* analysis of *pfmon deluxe*.

Value	Formula
CPI	`UNHALTED_CORE_CYCLES/INSTRUCTIONS_RETIRED`
Percentage of	**Formula**
Load instructions	`(INST_RETIRED:LOADS/INSTRUCTIONS_RETIRED)*100`
Store instructions	`(INST_RETIRED:STORES/INSTRUCTIONS_RETIRED)*100`
Load and store instructions	`((INST_RETIRED:STORES + INST_RETIRED:LOADS) / INSTRUCTIONS_RETIRED ) * 100`
Resource stalls (cycles)	`(RESOURCE_STALLS:ANY/UNHALTED_CORE_CYCLES)*100`
Branch instructions	`(BRANCH_INSTRUCTIONS_RETIRED/INSTRUCTIONS_RETIRED)*100`
branch instruction mispredicted	`(MISPREDICTED_BRANCH_RETIRED/BRANCH_INSTRUCTIONS_RETIRED)*100`
L2 loads missed	`(LAST_LEVEL_CACHE_MISSES/LAST_LEVEL_CACHE_REFERENCES)*100`
Bus utilization	`((BUS_TRANS_ANY:ALL_AGENTS)* 2/CPU_CLK_UNHALTED:BUS)*100`
Data bus utilization	`(BUS_DRDY_CLOCKS:ALL_AGENTS/CPU_CLK_UNHALTED:BUS)*100`

Bus not ready	((BUS_BNR_DRV:ALL_AGENTS) * 2/CPU_CLK_UNHALTED:BUS)*100
Comp. SIMD instructions (new FP)	(SIMD_COMP_INST_RETIRED:PACKED_SINGLE: SCALAR_SINGLE:PACKED_DOUBLE:SCALAR_DOUBLE/ INSTRUCTIONS_RETIRED)*100
Comp. x87 Instructions (old FP)	(X87_OPS_RETIRED:ANY/INSTRUCTIONS_RETIRED)*100

Table 3.2.a. *pfmon deluxe* standard analysis information.

The table 3.1.b. shows the information calculated by the *simd1* analysis of *pfmon deluxe*.

Value	Formula
CPI	UNHALTED_CORE_CYCLES/INSTRUCTIONS_RETIRED
Comp. SIMD Instructions (*CSI*)	SIMD_COMP_INST_RETIRED:SCALAR_SINGLE + SIMD_COMP_INST_RETIRED:PACKED_SINGLE + SIMD_COMP_INST_RETIRED:SCALAR_DOUBLE + SIMD_COMP_INST_RETIRED:PACKED_DOUBLE
Percentage of	**Formula**
Comp. SIMD instructions	(*CSI*/INSTRUCTIONS_RETIRED) * 100
SCALAR_SINGLE Instructions	(SIMD_COMP_INST_RETIRED:SCALAR_SINGLE/INSTRUCTIONS_RETIRED)*100
PACKED_SINGLE Instructions	(SIMD_COMP_INST_RETIRED:PACKED_SINGLE/INSTRUCTIONS_RETIRED)*100
SCALAR_DOUBLE Instructions	(SIMD_COMP_INST_RETIRED:SCALAR_DOUBLE/INSTRUCTIONS_RETIRED)*100
PACKED_DOUBLE Instructions	(SIMD_COMP_INST_RETIRED:PACKED_DOUBLE/INSTRUCTIONS_RETIRED)*100
If *CSI* > 0	
SCALAR_SINGLE Comp. SIMD	(SIMD_COMP_INST_RETIRED:SCALAR_SINGLE/*CSI*)*100
PACKED_SINGLE Comp. SIMD	(SIMD_COMP_INST_RETIRED:PACKED_SINGLE/*CSI*)*100
SCALAR_DOUBLE Comp. SIMD	(SIMD_COMP_INST_RETIRED:SCALAR_DOUBLE/*CSI*)*100
PACKED_DOUBLE Comp. SIMD	(SIMD_COMP_INST_RETIRED:PACKED_DOUBLE/*CSI*)*100

Table 3.1.b. *pfmon deluxe* simd1 analysis information.

3.3 Performance monitoring and tuning tasks

The performance monitoring and tuning tasks are structured by iterative cycles (figure 3.3.a.). Each cycle is composed by: *pfmon deluxe* analysis, *pfmon* profiling and application improvement.

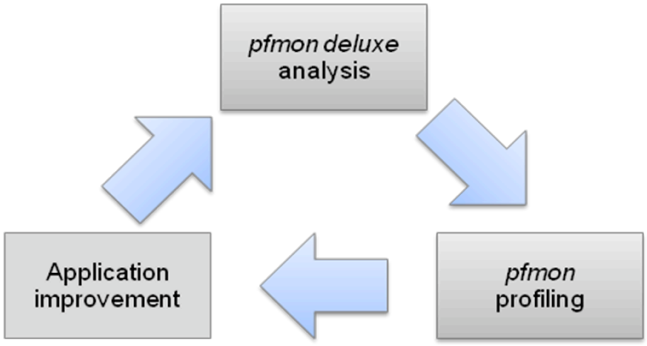

Figure 3.3.a. Performance monitoring and tuning cycle.

3.3.1 pfmon deluxe (standard and simd1 analysis)

As it was described in the section above, these are specific modes of analysis according to a certain group of events.

3.3.2 pfmon profiling

This step allows to determine the percentage of the total time spent in a function. The objective is to identify specific functions that could be improved in order to optimize the whole program. The figure 3.3.2.a. shows the standard output of *pfmon* profiling.

When *pfmon* is used in profiling mode, which means that every *n*-quantity of occurrences of an event within the CPU (clock cycles), the PMU would dump the address in the IP; it is possible to get a set of addresses which are visited frequently by the program, which in turn tells a lot about which code is being used.

The addresses themselves have little meaning to the average user, but they are translated into program symbols, which map onto function and/or data names (labels within the code). Sometimes the monitored programs open shared libraries using *dlopen*, and in that case *Perfmon* has to intercept the moment of the opening in order to know which library was loaded and where it was placed in memory.

```
# results for [27703<-[27641] tid: 27703]
(/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/Gauss/v30r5/slc4_amd64_gcc34/Gauss.exe)
# total samples          : 64913963
# total buffer overflows : 31696
#

counts  %self  %cum                      code addr symbol
2776941 4.28%  4.28%  0x00002b5c990926c0  CLHEP::RanluxEngine::flat()</data4/wilrome/ga
2365853 3.64%  7.92%  0x00002b5ca2dcb2e0  G4ElasticHadrNucleusHE::GetLightFq2(int,
2066022 3.18%  11.11% 0x0000003061506370  __ieee754_exp</lib64/tls/libm-2.3.4.so>
1964096 3.03%  14.13% 0x0000003061511930  __ieee754_log</lib64/tls/libm-2.3.4.so>
1622689 2.50%  16.63% 0x0000003061265f0   __GI___libc_malloc</lib64/tls/libc-2.3.4.so>
1508825 2.32%  18.95% 0x00002b5c9d34e5e0  MagneticFieldSvc::fieldVector(ROOT::Math::Pos
1401687 2.16%  21.11% 0x0000003061269510  __cfree</lib64/tls/libc-2.3.4.so>
1345044 2.07%  23.19% 0x00002b5c9ca8cae0  G4Navigator::LocateGlobalPointAndSetup(CLHEP:
1120478 1.73%  24.91% 0x00000030612695d0  _int_malloc</lib64/tls/libc-2.3.4.so>
1112952 1.71%  26.63% 0x00002b5c9cb53f60  G4VoxelNavigation::ComputeStep(CLHEP::Hep3Vec
```

```
 882947  1.36%   27.99%  0x00002b5c9caad1d0   G4PolyconeSide::DistanceAway(CLHEP::Hep3Vecto
 842385  1.30%   29.28%  0x00002b5c9c2a0d70   G4SteppingManager::DefinePhysicalStepLength()
 827411  1.27%   30.56%  0x00002b5c9cb52c70   G4VoxelNavigation::LocateNextVoxel(CLHEP::Hep
 727471  1.12%   31.68%  0x00002b5c9ca8e910   G4VoxelNavigation::VoxelLocate(G4SmartVoxelHe
 713331  1.10%   32.78%  0x00002b5c9ca851e0   G4Mag_UsualEqRhs::EvaluateRhsGivenB(doublé
 711690  1.10%   33.88%  0x00002b5c9c5d4200   G4Transportation::PostStepDoIt(G4Track
 698581  1.08%   34.95%  0x00002b5c9c87c4d0   G4Track::GetVelocity()
 658618  1.01%   35.97%  0x00002b5c9ca89a80   G4NavigationLevelRep::G4NavigationLevelRep(G4
 636781  0.98%   36.95%  0x00002b5c9cfa2030   CLHEP::HepRotation::rotateAxes(CLHEP::Hep3Vec
 635693  0.98%   37.93%  0x00002b5c9ca3dc20   G4DisplacedSolid::Inside(CLHEP::Hep3Vector
 605616  0.93%   38.86%  0x00002b5c9c2a3880   G4SteppingManager::Stepping()</data4/wilrome/
 597204  0.92%   39.78%  0x00002b5c9ca8b1b0   G4Navigator::ComputeStep(CLHEP::Hep3Vector
 584977  0.90%   40.68%  0x00002b5c9c2a19f0   G4SteppingManager::InvokePSDIP(unsigned
 582164  0.90%   41.58%  0x0000003061268c50   _int_free</lib64/tls/libc-2.3.4.so>
 573532  0.88%   42.46%  0x00002b5c9c5d58d0   G4UniversalFluctuation::SampleFluctuations(G4
 562528  0.87%   43.33%  0x00002b5c9c610b90   G4VProcess::SubtractNumberOfInteractionLength
 551368  0.85%   44.18%  0x00002b5c9c5d30c0   G4Transportation::AlongStepGetPhysicalInterac
 541227  0.83%   45.01%  0x00002b5c9c5d51d0   G4Transportation::AlongStepDoIt(G4Track
 512270  0.79%   45.80%  0x00002b5c9ca2ac60   G4ClassicalRK4::DumbStepper(doublé
```

Figure 3.3.2.a. Example of results generated by *pfmon* profiling.

It is feasible to organize the results in order to identify important execution elements of the application such as classes, packages, among others. For example in the figure 3.3.2.b. it is possible to see a certain group of calls to the IEEE Standard library for Binary Floating-Point Arithmetic and CLHEP (a Class Library for High Energy Physics).

```
# results for [27703<-[27641] tid: 27703]
(/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/Gauss/v30r5/slc4_amd64_gcc34/Gauss.exe)
# total samples          : 64913963
# total buffer overflows : 31696
#

 counts   %self   %cum                          code addr symbol
 1401687  2.16%  21.11%  0x0000003061269510    __cfree</lib64/tls/libc-2.3.4.so>
  357757  0.55%  53.53%  0x000000306151e700    __cos</lib64/tls/libm-2.3.4.so>
  235733  0.36%  63.35%  0x0000003061526cf0    __exp</lib64/tls/libm-2.3.4.so>
  213502  0.33%  65.70%  0x000000306150e850    __exp1</lib64/tls/libm-2.3.4.so>
  145173  0.22%  75.01%  0x000000306152b090    __GI___isnan</lib64/tls/libm-2.3.4.so>
 1622689  2.50%  16.63%  0x000000306126b5f0    __GI___libc_malloc</lib64/tls/libc-2.3.4.so>
  344666  0.53%  54.06%  0x00000030612723a0    __GI_memcpy</lib64/tls/libc-2.3.4.so>
  177884  0.27%  70.50%  0x0000003061270a00    __GI_strlen</lib64/tls/libc-2.3.4.so>
  243524  0.38%  61.50%  0x0000003063da9a80    __gnu_cxx::__exchange_and_add(int
  199310  0.31%  68.52%  0x00000030615095b0    __ieee754_atan2</lib64/tls/libm-2.3.4.so>
 2066022  3.18%  11.11%  0x000000306150e370    __ieee754_exp</lib64/tls/libm-2.3.4.so>
 1964096  3.03%  14.13%  0x0000003061511930    __ieee754_log</lib64/tls/libm-2.3.4.so>
  317859  0.49%  57.59%  0x00000030615135a0    __ieee754_pow</lib64/tls/libm-2.3.4.so>
  181292  0.28%  69.95%  0x0000003061527760    __log</lib64/tls/libm-2.3.4.so>
  300545  0.46%  59.01%  0x000000306151c2e0    __sin</lib64/tls/libm-2.3.4.so>
  333070  0.51%  55.11%  0x00002b5c9c9f1918    _init</data4/wilrome/gauss/soft/lhcb/GEANT4/G
  190218  0.29%  69.10%  0x00002b5c9c4551a0    _init</data4/wilrome/gauss/soft/lhcb/GEANT4/G
  140059  0.22%  75.44%  0x00002b5c9ccccc58    _init</data4/wilrome/gauss/soft/lhcb/GEANT4/G
  133222  0.21%  76.07%  0x00002b5ca2cae188    _init</data4/wilrome/gauss/soft/lhcb/GEANT4/G
  582164  0.90%  41.58%  0x0000003061268c50    _int_free</lib64/tls/libc-2.3.4.so>
 1120478  1.73%  24.91%  0x00000030612695d0    _int_malloc</lib64/tls/libc-2.3.4.so>
  199403  0.31%  68.21%  0x00002b5c9cfb6c70  CLHEP::Hep3Vector::operator()(int)
  161171  0.25%  73.60%  0x00002b5c9cfb6490  CLHEP::Hep3Vector::rotateUz(CLHEP::Hep3Vector
  170173  0.26%  72.08%  0x00002b5c99087d80  CLHEP::HepRandom::getTheEngine()</data4/wilro
  636781  0.98%  36.95%  0x00002b5c9cfa2030  CLHEP::HepRotation::rotateAxes(CLHEP::Hep3Vec
```

```
2776941  4.28%  4.28%   0x00002b5c990926c0  CLHEP::RanluxEngine::flat()</data4/wilrome/ga
 322374  0.50%  56.61%  0x00002b5c9c9ff970    G4Box::DistanceToIn(CLHEP::Hep3Vector
 343197  0.53%  54.59%  0x00002b5c9c9ffe10    G4Box::DistanceToOut(CLHEP::Hep3Vector
```

Figure 3.3.2.b. *pfmon* profiling results ordered by *code addr symbol* column.

3.3.3 Application improvement

According to profiling results, try to improve the identified application functions. Such improvements are carried out according to a particular technology, for example the compiler (gcc, icc, etc.) and architecture (IA-32, IA-64, etc.), or any other hardware/software feature.

As an example, consider the program presented in Appendix A. The figure 3.3.3.a. shows the results of *pfmon deluxe* analysis.

```
Ratios:
                                        CPI: 2.0529
                          load instructions %: 24.888%
                         store instructions %: 14.751%
                load and store instructions %: 39.639%
                resource stalls % (of cycles): 53.562%
                       branch instructions %: 18.223%
              % of branch instr. mispredicted: 0.714%
                    % of l2 loads missed: 94.554%
                             bus utilization %: 8.158%
                          data bus utilization %: 4.631%
                               bus not ready %: 0.000%
               comp. SIMD instr. ('new FP') %: 1.585%
                comp. x87 instr. ('old FP') %: 0.000%
```

Figure 3.3.3.a. *pfmon deluxe* results.

According to the results above, the program execution has 94.554% of L2 cache misses, in order to identify where is the problem, it is necessary to do a profiling.

```
# results for [20062<-[20057]] (/home/wilrome/exercices/run-linkedtrash 8000000)
# total samples          : 49161
# total buffer overflows : 24
#
#                  event00
#     counts   %self    %cum          code addr symbol
      45895  93.36%  93.36% 0x00000000004005f8 walk</home/wilrome/exercices/run-linkedtrash>
       2925   5.95%  99.31% 0xffffffff8127faac do_page_fault<kernel>
        156   0.32%  99.62% 0x00000030612695d0 _int_malloc</lib64/tls/libc-2.3.4.so>
         63   0.13%  99.75% 0x00000030612fa0b0 __GI__dl_addr</lib64/tls/libc-2.3.4.so>
         19   0.04%  99.79% 0x0000003061265f0 __GI___libc_malloc</lib64/tls/libc-2.3.4.so>
         18   0.04%  99.83% 0x0000000000400662 main</home/wilrome/exercices/run-linkedtrash>


# results for [20062<-[20057]] (/home/wilrome/exercices/run-linkedtrash 8000000)
# total samples          : 49161
# total buffer overflows : 24
#
#                  event00
#     counts   %self    %cum          code addr symbol
        156   0.32%  99.62% 0x00000030612695d0 _int_malloc</lib64/tls/libc-2.3.4.so>
         63   0.13%  99.75% 0x00000030612fa0b0 __GI__dl_addr</lib64/tls/libc-2.3.4.so>
         19   0.04%  99.79% 0x0000003061265f0 __GI___libc_malloc</lib64/tls/libc-2.3.4.so>
       2925   5.95%  99.31% 0xffffffff8127faac do_page_fault<kernel>
         18   0.04%  99.83% 0x0000000000400662 main</home/wilrome/exercices/run-
linkedtrash>
      45895  93.36%  93.36% 0x00000000004005f8 walk</home/wilrome/exercices/run-
linkedtrash>
```

Figure 3.3.3.b. pfmon profiling results.

The pfmon profiling results (figure 3.3.3.b), shows on the top the function `walk`. In the figure 3.3.3.c is the function analysis.

Original function

```
void walk(element *p) {
	long int result;
	int i;
	element *home = p;

	for(i=0; i<ITERATIONS; i++) {
		p = home;
		while(p->next) {
		p = p->next;
		}
	}

	ptrprint(p);
}
```

Programming analysis

1. The value of ITERATIONS is 1, therefore the loop is not necessary.
2. The variable **`result`** is never used.

Improved version

```
void walk(element *p) {
	while(p->next) {
		p = p->next;
	}
	ptrprint(p);
}
```

Figure 3.3.3.c. Application improvement on a specific function.

After this improvement, a new *pfmon deluxe* analysis shows a percentage over 90% of L2 cache misses. If the profiling results are sorted by the `code addr sysmbol` column, it is posible to identify the function main. Comparatively, `main` runs for a percentage of time lower than `walk` function but, it is posible that before the function invocation, the problem is there.

In object-oriented programs this is an important issue, through a sorted profiling it is possible to identify the percentage of the total time spent in a class and in this way the invocations between methods of the same class. A method could be at the top of the profiling results, but the real bottleneck may be in one of the used methods.

Recapturing the example and checking the function main, there is a memory allocation problem, it may be fixed as is showed in the figure 3.3.3.e, where the objective is to get consecutive memory blocks.

Original function

```
{
        int i = 0;
        int table_size = atoi(argv[1]);

        element *p = NULL;
        element *head = (element *) malloc( sizeof(element) );

        head->item = 0;
        head->next = NULL;

        element *prev = head;

        srand( time(NULL) );

        // generate the table elements

        for(i=0; i<table_size; i++) {
               p = (element *)malloc(sizeof(element));
               p->item = rand();
               p->item = prev->item * .234124 + .4575;
               p->next = NULL;

               if(prev != NULL)
                      prev -> next = p;

               prev = p;
        }

        walk(head);

        return 0;
}
```

Figure 3.3.3.d. Function `main` with arbitrary memory allocation.

Improved version

```
        int i = 0;
        int table_size = atoi(argv[1]);

        element *p = NULL;
        element *head = (element *) malloc( sizeof(element) );

        element **pparray = NULL;
        pparay = (elemnt **) malloc ( table_size );

        head->item = 0;
        head->next = NULL;

        element *prev = head;

        // generate the table elements

        for(i=0; i<table_size; i++) {

               pparray[i] = (element *) malloc( sizeof(element) );
               pparray[i]->item = prev->item * .234124 + .4575;
               pparray[i]->next = NULL;

               if(prev != NULL)
                      prev -> next = pparray[i];

               prev = pparray[i];
        }
```

Figure 3.3.3.e. Function `main` with fixed and continuous memory allocation.

With this improvement, the L2 cache misses has decreased significantly (Figure 3.3.3.f.).

```
Ratios:
                                          CPI: 1.0138
                        load instructions %: 26.362%
                       store instructions %: 13.428%
      load and store instructions %: 39.789%
       resource stalls % (of cycles): 5.918%
              branch instructions %: 16.082%
% of branch instr. mispredicted: 0.786%
             % of l2 loads missed: 6.978%
                    bus utilization %: 0.307%
               data bus utilization %: 0.203%
                      bus not ready %: 0.000%
 comp. SIMD instr. ('new FP') %: 1.485%
  comp. x87 instr. ('old FP') %: 0.000%
```

Figure 3.3.3.f. *pfmon deluxe* results for the improved version

4 Overview of the execution stages in the analysis frameworks

In general, software frameworks for LHC experiments are a chain of specialized processes. These processes correspond to how a experiment is executed: 1) events are produced by a collision, 2) The particles cross through the a detector, 3) a data acquisition system (DAQ) collect the produced signals and 4) The signals are transformed in information according to the physics theory. The software frameworks are the result of modelling the process described above; the objective is to validate methods for the experiment calibration and tuning (detectors, DAQ system, etc.).

According to the model described before, the software framework is composed by execution stages; each one depending on the outputs generated by the previous stage. These execution stages are(figure 4.a.):

- Generation: Event generation, for example by a Monte Carlo method (software based on Pythia, Alpgen, etc.).
- Simulation: Particles through detector; the signals produced by the detectors and electronic devices are stored as RAW data (software based on Geant4).
- Digitization: In this stage, the RAW data is transformed to information; Signal to hits, hits to tracks, among others (software based on ROOT).
- Reconstruction: To process the information to get new information according to the physics theory, for example the energy associated to the particles.

There are cases in which two stages are implemented in one, for example the ALICE software framework has only two stages: Simulation and Reconstruction. According to the model presented above, in this particular case, the software designers programmed the Generation-Simulation in only one stage and Digitization-Reconstruction in other.

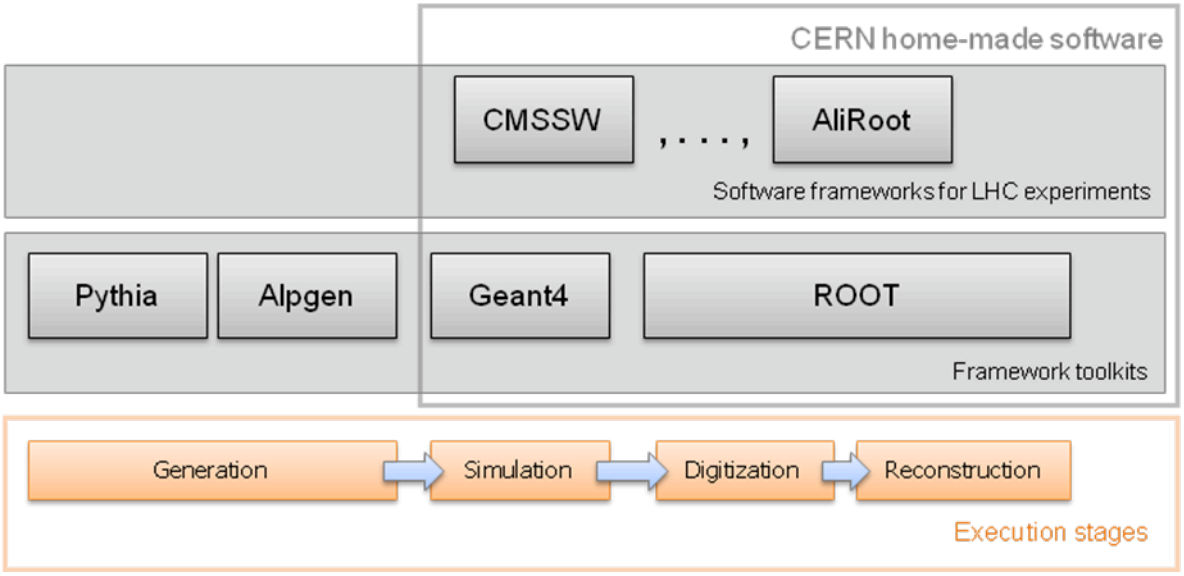

Figure 4.a. Execution stages and related software

In a real experiment, the Generation and Simulation stages are not necessary because there is a real events source (the events from the collision) and real electronic data from the detectors.

5 Results

The software frameworks used for performance monitoring were LHCb, CMS and ALICE. In this section, a briefly discussion of the results is presented.

The following command line, was used for profiling (table 5.a.):

```
[]$   pfmon -e UNHALTED_CORE_CYCLES
           --long-smpl-periods=100000
           --smpl-per-function
           --follow-all
           --resolve <SoftwareFramework_LauncherScript>
```

Option	Brief description[6]
`-e UNHALTED_CORE_CYCLE`	The –e option select events to monitor, in this line the `UNHALTED_CORE_CYCLE` event. This event counts core clock cycles whenever the clock signal on the specific core is running.
`--long-smpl-periods=100000`	Set the sampling period to reload into the overflowed counter(s) after the last sample is recorded into the sampling buffer
`--smpl-per-function`	For sampling modules which produce an histogram, aggregate samples per function as opposed to per sample address which is the default.
`--follow-all`	This option is equivalent to specifying all of `--follow-fork`, `--follow-vfork`, `--follow-pthreads`, `--follow-exec`. In this way it is feasible to monitoring child processes.
`--resolve`	Resolve all code/data addresses in profiles using symbol

	table information. If the symbol information is not present, the raw address is printed. By default, only raw addresses are printed.

Table 5.a. *pfmon* profiling options.

5.1 LHCb

For the the LHCb software framework, the performance monitoring tasks monitoring were made on the simulation stage. There are 2 functional versions: 32-bit and 64-bit. The input parameters for the program are: the number of events (*n*) and number of threads (*t*), thus, the execution was made for 5, 50 and 150 events and for 1, 2, 4 and 8 threads.

The table 9.1.a. presents the record for the 32-bit version and the table 9.1.b. for the 64-bit version. In general, the behaviour is similar between both versions: CPI, load and store instructions, etc. An important difference is in the use of SIMD instructions; it is a consequence of the compilation process. For the 32-bit version, the compiler does not know the specific processor architecture and implements the x87 instruction subset. On the other hand, for the 64-bit version the compiler knows that the processor architecture supports SIMD instructions (table 9.3.a.) . Finally, as a specific sign, the percentage of bus utilization increases with the number of threads.

From the profiling results for a small number of events ($n = 5$), the following methods are always on the top:

- `G4ElasticHadrNucleusHE::GetLightFq2(int, double)`
- `G4ProductionCutsTable::ScanAndSetCouple(G4LogicalVolume*, G4MaterialCutsCouple*, G4Region*)`

These are programmed in Geant4 Simulation toolkit, and:

- `CLHEP::RanluxEngine::flat()`

That is programmed in CLHEP, a Class Library for High Energy Physics.

For this matter, the method `ScanAndSetCouple` (from the Geant4 class G4ProductionCutsTable, figure 5.1.a) has been isolated in order to test and analyze if an improvement could be made. In the figure 5.1.a the methods and classes involved are presented.

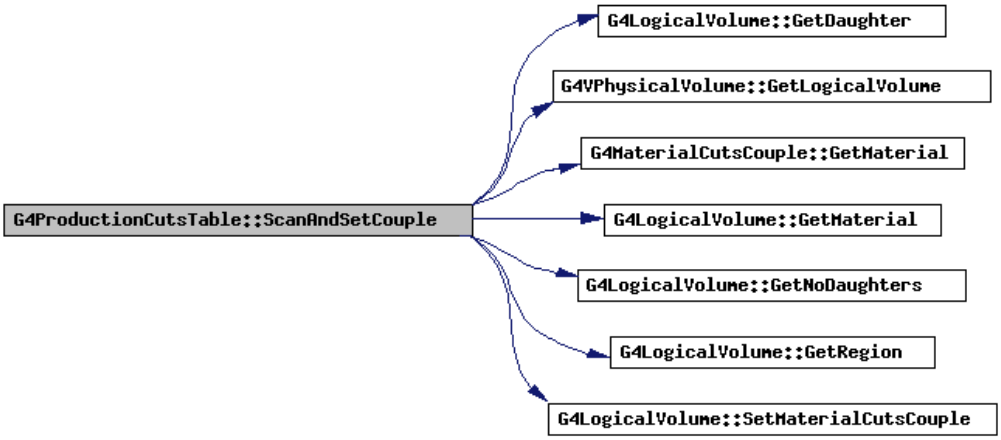

Figure 5.1.a. Graph call of the `ScanAndSetCoupleMethod`.

Basically, the method is a recursive algorithm to propagate a new value for an attribute in the `G4LogicalVolume` object (figure 5.1.b). A snippet has been developed in order to test the performance of this method with a huge G4LogicalVolume.

```
void G4ProductionCutsTable::ScanAndSetCouple(G4LogicalVolume* aLV,
                                             G4MaterialCutsCouple* aCouple,
                                             G4Region* aRegion)
{
  //Check whether or not this logical volume belongs to the same region
  if((aRegion!=0) && aLV->GetRegion()!=aRegion) return;

  //Check if this particular volume has a material matched to the couple
  if(aLV->GetMaterial()==aCouple->GetMaterial()) {
    aLV->SetMaterialCutsCouple(aCouple);
  }

  size_t noDaughters = aLV->GetNoDaughters();
  if(noDaughters==0) return;

  //Loop over daughters with same region
  for(size_t i=0;i<noDaughters;i++){
    G4LogicalVolume* daughterLVol = aLV->GetDaughter(i)->GetLogicalVolume();
    ScanAndSetCouple(daughterLVol,aCouple,aRegion);
  }
}
```

Figure 5.1.b. the `ScanAndSetCoupleMethod` implementation.

For more events, that method is not present on the top because this method is important only for the first load of the information and with few events, it takes a representative percentage. For a bigger number of events, the percentage is not representative.

5.2 CMS

The performance monitoring tasks were developed on the stages: generation, simulation, digitization and reconstruction, these were executed sequentially because each one depends on the data generated by the previous stage. The initial input parameter is the number of events (*n*), the execution was made for 5, 50 and 150 events. There is not 64-bit implementation of this framework therefore the 32-bit version was used for this work.

The appendix B presents a comparison tables for each stage. There is uniform behaviour when the number of events increases. The table 10.1.a. shows a high percentage of L2 cache missed for the generation stage (over 5%), unlike other stages. In this matter, the simulation stage has a percentage of L2 cache missed lower than 1% (Table 10.2.a.).

A final issue, in the profiling results, it was a very high level of activity within one library: *pthread*. It is possible that the framework would try a run with more events and then come back to program root with the results so that we can analyze them.

5.3 ALICE

There is a 64-bit version of ALICE software framework. The performance monitoring tasks were developed on the stages: simulation and reconstruction.

6 Issues

One of the most important tasks was the installation and configuration of each framework. Several scripts had to be written in order to install all the necessary packages and data. It could be because these frameworks have not installers tested for different system configurations.

6.1 pfmon on 32-bit version

A problem with a lot of unresolved symbols were seemed in the profiling results. It was caused by the fact that *pfmon* was never prepared to monitor 32-bit *dlopen* calls. As it was presented above, the CMS software framework used was the 32-bit version and there the error was discovered. This problem does not happen with 64-bit versions.

The functionality has been added (pfmon-3.4.x5) and in effect, it was possible to start seeing more symbols resolved. For this matter, it is necessary to use the option `--32bit-dl-snoop` in the *pfmon* command line.

As far as the occasional 10, 20 or 50 unresolved addresses are concerned, in the typical case this is caused by rogue samples received very close to context switches and the principal suspicion is that latency issues make it impossible to be more accurate in this case. Also, some libraries and binaries are not equipped with debugging symbols, and thus their resolution is impossible, but then the number of unresolved symbols is much higher. Anyway, for 100.000 samples and only 10 or 20 are unresolved, that is a very good result.

Summary

This report presents the technical approach, results and related issues of the performance monitoring on the software frameworks for LHC experiments: LHCb(32-bit and 64-bit version), CMS(32-bit version) and ALICE(64-bit version). The approach presented in this paper builds upon *openlab*[4] previous work with *pfmon* as monitoring tool. The performance monitoring and tuning tasks are composed by the following steps: *pfmon deluxe* analysis, *pfmon* profiling and application improvement. A new functionality has been added to *pfmon* in order to resolve the symbols generated in the profiling for the 32-bit version of the software frameworks.The software tools and methodology used in the development of this work are described.

7 References

[1]. Eranian, S. ***The perfmon2 interface specification***. 2005

[2]. Eranian, S. ***Quick overview of the perfmon2 interface***. [Online]. Available: http://www.gelato.unsw.edu.au/archives/linux-ia64/0512/16211.html [Accessed: August 19, 2005]

[3]. Jarp S., Jurga R., Nowak A. ***Perfmon2: A leap forward in Performance Monitoring***. International Conference on Computing in High Energy and Nuclear Physics, 2007.

[4]. ***CERN openlab web page***. [Online]. Available: http://openlab.cern.ch/ [Accessed: August 19, 2005].

[5]. ***The perfmon2 home page***. [Online]. Available: http://perfmon2.sourceforge.net/ [Accessed: August 19, 2005].

[6]. ***The pfmon tool home page***: http://perfmon2.sourceforge.net/pfmon_usersguide.html

8 Appendix A – Example program of L2 cahe misses

```
/*
Linked list cache trashing example - Openlab Performance Tuning Workshop Q1 2008
Andrzej Nowak
*/
#include <stdio.h>
#include <stdlib.h>
#include <time.h>

#define ITERATIONS 1
#define varprint(x) printf("%s: %d\n", #x, x)
#define ptrprint(x) printf("%s: %p\n", #x, x)

typedef struct _element {
	int item;
	char x[504];
	struct _element *next;
} element;

void walk(element *p) {
	long int result;
	int i;
	element *home = p;

	for(i=0; i<ITERATIONS; i++) {
		p = home;
		while(p->next) {
		p = p->next;
		}
	}
	ptrprint(p);
}


int main(int argc, char *argv[]) {
	if(argc != 2) {
		printf("Usage: %s table_size\n", argv[0]);
		exit(-1);
	}

	int i = 0;
	int table_size = atoi(argv[1]);

	element *p = NULL;
	element *head = (element *) malloc( sizeof(element) );

	head->item = 0;
	head->next = NULL;

	element *prev = head;

	srand( time(NULL) );
	// generate the table elements
	for(i=0; i<table_size; i++) {
		p = (element *)malloc(sizeof(element));
		p->item = rand();
		p->item = prev->item * .234124 + .4575;
		p->next = NULL;

		if(prev != NULL)
			prev -> next = p;

		prev = p;
	}

	walk(head);

	return 0;
}
```

Figure 8.a Program code

9 Appendix B - Analysis for the LHCb simulation software by *pfmon deluxe*

The tables presented in this section are the result of the *pfmon deluxe* standard analysis and simd1. Also a comparison between the 32-bit and 64-bit versions of the LHCb simulation framework.

9.1 Standard analysis for 32-bit version of LHCb simulation

INPUT *n* := number of events *t* := number of threads	*n*: 150 *t*: 1	*n*: 150 *t*: 2	*n*: 150 *t*: 4	*n*: 150 *t*: 8
CPI	1,2967	1,298	1,3107	1,3347
Load instructions	36,82%	36,84%	36,82%	36,80%
Store instructions	20,91%	20,94%	20,92%	20,91%
Load & store instructions	57,72%	57,79%	57,74%	57,71%
Resource stalls	26,75%	26,73%	27,61%	28,22%
Branch instructions	14,74%	14,74%	14,72%	14,72%
% of branch instr. mispredicted	3,24%	3,24%	3,25%	3,27%
% of L2 loads missed	0,23%	0,22%	0,39%	0,64%
Bus utilization	**0,73%**	**0,64%**	**2,05%**	**3,25%**
Data bus utilization	0,25%	0,24%	0,76%	1,21%
Bus not ready	0,00%	0,00%	0,00%	0,00%
Comp. SIMD instr. (newFP)	**0,00%**	**0,00%**	**0,00%**	**0,00%**
comp. x87 instr. (oldFP)	**9,66%**	**9,64%**	**9,67%**	**9,67%**

Table 9.1.a. *pfmon deluxe* standard analysis information for the 32-bit version.

9.2 Standard analysis for 64-bit version of LHCb simulation

INPUT *n* := number of events *t* := number of threads	*n*: 150 *t*: 1	*n*: 150 *t*: 2	*n*: 150 *t*: 4	*n*: 150 *t*: 8
CPI	1,4331	1,4388	1,4516	1,4981
Load instructions	31,69%	31,65%	31,61%	31,68%
Store instructions	16,90%	16,87%	16,87%	16,89%
Load & store instructions	48,59%	48,52%	48,48%	48,56%
Resource stalls	30,43%	30,38%	31,51%	32,46%
Branch instructions	15,44%	15,39%	15,39%	15,41%
% of branch instr. mispredicted	3,79%	3,79%	3,83%	3,81%
% of L2 loads missed	0,33%	0,32%	0,54%	0,86%
Bus utilization	**0,77%**	**1,11%**	**3,38%**	**5,19%**
Data bus utilization	0,42%	0,41%	1,26%	1,94%
Bus not ready	0,00%	0,00%	0,00%	0,01%
Comp. SIMD instr. (newFP)	**12,69%**	**12,80%**	**12,78%**	**12,78%**
comp. x87 instr. (oldFP)	**0,07%**	**0,07%**	**0,07%**	**0,07%**

Table 9.2.b. *pfmon deluxe* standard analysis information for the 64-bit version.

9.3 SIMD1 analysis for 64-bit version of LHCb simulation

INPUT
n := number of events
t := number of threads

INPUT	***n*: 150, *t*: 4**	***n*: 150, *t*:1**
CPI	1,4705	1,441
all computational SIMD instr.	2409558698257	594174792902
computational SIMD instr. %	12.793%	12,683%

INPUT		***n*: 150, *t*: 4**
percentages	**% of instr**	**% of comp. SIMD**
SCALAR_SINGLE	0,00784	0,06125
PACKED_SINGLE	0	0
SCALAR_DOUBLE	0,1201	938,75
PACKED_DOUBLE	0	0

INPUT		***n*: 150, *t*: 1**
Percentages	**% of instr**	**% of comp. SIMD**
SCALAR_SINGLE	0,782%	6,162%
PACKED_SINGLE	0	0
SCALAR_DOUBLE	11,901%	93,838%
PACKED_DOUBLE	0	0

Table 9.3.a. *pfmon simd1* analysis information for the 64-bit version.

10 Appendix C - Standard analysis for the CMS software by *pfmon deluxe*

The CMS software is a chain of execution stages, each execution depends of the generated outputs by the previous stage. Such stages are: generation, simulation, digitization and reconstruction. The tables presented in this section are the result of the standard analysis by *pfmon deluxe*. For each stage it is possible to see the system behavior when the number of events increases.

10.1 Generation

Events	150
CPI	1,1065
Load instructions	39,24%
Store instructions	19,62%
Load & store instructions	58,85%
Resource stalls	41,55%
Branch instructions	18,89%
% of branch instr. mispredicted	3,07%
% of L2 loads missed	5,57%
Bus utilization	3,75%
Data bus utilization	1,92%
Bus not ready	0,00%
Comp. SIMD instr. (newFP)	0,00%
comp. x87 instr. (oldFP)	3,90%

Table 10.1.a. *pfmon deluxe* standard analysis information for the generation stage.

10.2 Simulation

Events	**150**
CPI	1,3284
Load instructions	37,26%
Store instructions	20,30%
Load & store instructions	57,57%
Resource stalls	28,64%
Branch instructions	13,27%
% of branch instr. mispredicted	3,36%
% of L2 loads missed	0,22%
Bus utilization	0,49%
Data bus utilization	0,25%
Bus not ready	0,00%
Comp. SIMD instr. (newFP)	0,00%
comp. x87 instr. (oldFP)	10,63%

Table 10.2.a. *pfmon deluxe* standard analysis information for the simulation stage.

10.3 Digitization

Events	150
CPI	1,002
Load instructions	36,77%
Store instructions	19,41%
Load & store instructions	56,18%
Resource stalls	41,07%
Branch instructions	19,19%
% of branch instr. mispredicted	2,78%
% of L2 loads missed	4,14%
Bus utilization	4,69%
Data bus utilization	2,45%
Bus not ready	0,00%
Comp. SIMD instr. (newFP)	0,00%
comp. x87 instr. (oldFP)	4,16%

Table 10.3.a. *pfmon deluxe* standard analysis information for the digitization stage.

10.4 Reconstruction

Events	150
CPI	1,1719
Load instructions	38,58%
Store instructions	21,13%
Load & store instructions	59,71%
Resource stalls	36,14%
Branch instructions	15,88%
% of branch instr. mispredicted	3,10%
% of L2 loads missed	1,34%
Bus utilization	1,76%
Data bus utilization	0,92%
Bus not ready	0,00%
Comp. SIMD instr. (newFP)	0,00%
comp. x87 instr. (oldFP)	7,14%

Table 10.4.a. *pfmon deluxe* standard analysis information for the reconstruction stage.

11 Appendix D - Standard analysis for the ALICE software by *pfmon deluxe*

The tables presented in this section are the result of the *pfmon deluxe* standard analysis and simd1 for 64.bit version of ALICE software framework.

11.1 Simulation stage

Events	150
CPI	1,0989
Load instructions	45,021%
Store instructions	20,371%
Load & store instructions	65,392%
Resource stalls	48,184%
Branch instructions	14,952%
% of branch instr. mispredicted	2,766%
% of L2 loads missed	1,629%
Bus utilization	4,181%
Data bus utilization	2,510%
Bus not ready	0,450%
Comp. SIMD instr. (newFP)	6,982%
comp. x87 instr. (oldFP)	0,043%

Table 11.1.a. *pfmon deluxe* standard analysis information for the simulation stage.

Events	150
CPI	1,1058
all computational SIMD instr.	3920435357762
computational SIMD instr. %	6,885%

Events		150
percentages	% of instr	% of comp. SIMD
SCALAR_SINGLE	3,578%	51,966%
PACKED_SINGLE	0,000%	0,000%
SCALAR_DOUBLE	3,307%	48,034%
PACKED_DOUBLE	0,000%	0,000%

Table 11.1.b. *pfmon simd1* analysis information.

11.2 Reconstruction stage

Events	150
CPI	1,3347
Load instructions	33,870%
Store instructions	28,834%
Load & store instructions	62,704%
Resource stalls	61,612%
Branch instructions	16,542%
% of branch instr. mispredicted	1,692%
% of L2 loads missed	2,026%
Bus utilization	27,099%
Data bus utilization	14,278%
Bus not ready	1,230%
Comp. SIMD instr. (newFP)	2,025%
comp. x87 instr. (oldFP)	0,034%

Table 11.2.a. *pfmon deluxe* standard analysis information for the reconstruction stage.

Events	150
CPI	1.3159
all computational SIMD instr.	27153716188
computational SIMD instr. %	2.133%

Events		150
percentages	% of instr	% of comp. SIMD
SCALAR_SINGLE	0.899%	42.144%
PACKED_SINGLE	0.000%	0.000%
SCALAR_DOUBLE	1.234%	57.856%
PACKED_DOUBLE	0.000%	0.000%

Table 11.2.b. *pfmon simd1* analysis information.

12 Appendix E - Profiling results for LHCb simulation stage (64-bit version)

```
# results for [27703<-[27641] tid: 27703]
(/data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/Gauss/v30r5/slc4_amd64_gcc34/Gauss.exe
/data4/wilrome/gauss/run/pool_0000/bench.opts)
# total samples          : 64913963
# total buffer overflows : 31696
#
#                  event00

counts   %self  %cum     code addr symbol
2776941  4.28%  4.28%    0x00002b5c990926c0 CLHEP::RanluxEngine::flat()</data4/wilrome/gauss/soft/lcg/external/clhep
2365853  3.64%  7.92%    0x00002b5ca2dcb2e0 G4ElasticHadrNucleusHE::GetLightFq2(int, double)</data4/wilrome/gauss/so
2066022  3.18%  11.11%   0x0000000306150e370 __ieee754_exp</lib64/tls/libm-2.3.4.so>
1964096  3.03%  14.13%   0x0000003061511930 __ieee754_log</lib64/tls/libm-2.3.4.so>
1622689  2.50%  16.63%   0x0000000306126b5f0 __GI___libc_malloc</lib64/tls/libc-2.3.4.so>
1508825  2.32%  18.95%   0x00002b5c9d34e5e0 MagneticFieldSvc::fieldVector(ROOT::Math::PositionVector3D<ROOT::Math::C
1401687  2.16%  21.11%   0x0000003061269510 __cfree</lib64/tls/libc-2.3.4.so>
1345044  2.07%  23.19%   0x00002b5c9ca8cae0 G4Navigator::LocateGlobalPointAndSetup(CLHEP::Hep3Vector const&, CLHEP::
1120478  1.73%  24.91%   0x00000030612695d0 _int_malloc</lib64/tls/libc-2.3.4.so>
1112952  1.71%  26.63%   0x00002b5c9cb53f60 G4VoxelNavigation::ComputeStep(CLHEP::Hep3Vector const&, CLHEP::Hep3Vect
 882947  1.36%  27.99%   0x00002b5c9caad1d0 G4PolyconeSide::DistanceAway(CLHEP::Hep3Vector const&, bool, double&, do
 842385  1.30%  29.28%   0x00002b5c9c2a0d70 G4SteppingManager::DefinePhysicalStepLength()</data4/wilrome/gauss/soft/
 827411  1.27%  30.56%   0x00002b5c9cb52c70 G4VoxelNavigation::LocateNextVoxel(CLHEP::Hep3Vector const&, CLHEP::Hep3
 727471  1.12%  31.68%   0x00002b5c9ca8e910 G4VoxelNavigation::VoxelLocate(G4SmartVoxelHeader*, CLHEP::Hep3Vector co
 713331  1.10%  32.78%   0x00002b5c9ca851e0 G4Mag_UsualEqRhs::EvaluateRhsGivenB(double const*, double const*, double
 711690  1.10%  33.88%   0x00002b5c9c5d4200 G4Transportation::PostStepDoIt(G4Track const&, G4Step const&)</data4/wil
 698581  1.08%  34.95%   0x00002b5c9c87c4d0 G4Track::GetVelocity() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
 658618  1.01%  35.97%   0x00002b5c9ca89a80 G4NavigationLevelRep::G4NavigationLevelRep(G4VPhysicalVolume*, G4AffineT
 636781  0.98%  36.95%   0x00002b5c9cfa2030 CLHEP::HepRotation::rotateAxes(CLHEP::Hep3Vector const&, CLHEP::Hep3Vect
 635693  0.98%  37.93%   0x00002b5c9ca3dc20 G4DisplacedSolid::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/
 605616  0.93%  38.86%   0x00002b5c9c2a3880 G4SteppingManager::Stepping()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
 597204  0.92%  39.78%   0x00002b5c9ca8b1b0 G4Navigator::ComputeStep(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector con
 584977  0.90%  40.68%   0x00002b5c9c2a19f0 G4SteppingManager::InvokePSDIP(unsigned long)</data4/wilrome/gauss/soft/
 582164  0.90%  41.58%   0x0000003061268c50 _int_free</lib64/tls/libc-2.3.4.so>
 573532  0.88%  42.46%   0x00002b5c9c5d58d0 G4UniversalFluctuation::SampleFluctuations(G4Material const*, G4DynamicP
 562528  0.87%  43.33%   0x00002b5c9c610b90 G4VProcess::SubtractNumberOfInteractionLengthLeft(double)</data4/wilrome
 551368  0.85%  44.18%   0x00002b5c9c5d30c0 G4Transportation::AlongStepGetPhysicalInteractionLength(G4Track const&,
 541227  0.83%  45.01%   0x00002b5c9c5d51d0 G4Transportation::AlongStepDoIt(G4Track const&, G4Step const&)</data4/wi
 512270  0.79%  45.80%   0x00002b5c9ca2ac60 G4ClassicalRK4::DumbStepper(double const*, double const*, double, double
 481473  0.74%  46.54%   0x00002b5ca306ba10 G4PhotoNuclearCrossSection::GetIsoZACrossSection(G4DynamicParticle const
 473196  0.73%  47.27%   0x00002b5c9ccf7a70 G4SandiaTable::GetSandiaCofPerAtom(int, double)</data4/wilrome/gauss/sof
```

```
455817  0.70%  47.97%   0x00002b5c9ccdabd0 G4MPVEntry::operator==(G4MPVEntry const&) const</data4/wilrome/gauss/sof
454934  0.70%  48.67%   0x00002b5c9ccd88e0 std::_Rb_tree<G4String, std::pair<G4String const, G4MaterialPropertyVect
436580  0.67%  49.35%   0x00002b5c9c47cf90 G4VEmProcess::GetMeanFreePath(G4Track const&, double, G4ForceCondition*)
421339  0.65%  49.99%   0x00002b5c9c5b4c30 G4ProductionCutsTable::ScanAndSetCouple(G4LogicalVolume*, G4MaterialCuts
397653  0.61%  50.61%   0x00002b5c9c879ed0 G4ParticleChange::UpdateStepForAlongStep(G4Step*)</data4/wilrome/gauss/s
393003  0.61%  51.21%   0x00002b5c9ca89320 G4NavigationLevel::~G4NavigationLevel()</data4/wilrome/gauss/soft/lhcb/G
388527  0.60%  51.81%   0x00002b5c9caeeed0 G4SubtractionSolid::Inside(CLHEP::Hep3Vector const&) const</data4/wilrom
383372  0.59%  52.40%   0x00002b5c9c9ff210 G4Box::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft/
376124  0.58%  52.98%   0x00002b5c9c2a1ea0 G4SteppingManager::InvokeAlongStepDoItProcs()</data4/wilrome/gauss/soft/
357757  0.55%  53.53%   0x000000306151e700 __cos</lib64/tls/libm-2.3.4.so>
344666  0.53%  54.06%   0x00000030612723a0 __GI_memcpy</lib64/tls/libc-2.3.4.so>
343197  0.53%  54.59%   0x00002b5c9c9ffe10 G4Box::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&,
333070  0.51%  55.11%   0x00002b5c9c9f1918 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4geom
329843  0.51%  55.61%   0x00002b5c9cb08060 G4Trap::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft
327101  0.50%  56.12%   0x00002b5ca2dd2bf0 G4ElectroNuclearCrossSection::GetIsoZACrossSection(G4DynamicParticle con
322374  0.50%  56.61%   0x00002b5c9c9ff970 G4Box::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
318564  0.49%  57.10%   0x00002b5ca2db20d0 G4CrossSectionDataStore::GetCrossSection(G4DynamicParticle const*, G4Mat
317859  0.49%  57.59%   0x00000030615135a0 __ieee754_pow</lib64/tls/libm-2.3.4.so>
312956  0.48%  58.08%   0x00002b5c9ccd7810 G4MaterialPropertiesTable::GetProperty(char const*)</data4/wilrome/gauss
302815  0.47%  58.54%   0x00002b5c9c878740 G4ParticleChangeForTransport::UpdateStepForAlongStep(G4Step*)</data4/wil
300545  0.46%  59.01%   0x000000306151c2e0 __sin</lib64/tls/libm-2.3.4.so>
295795  0.46%  59.46%   0x00002b5c9cb052a0 G4TouchableHistory::GetVolume(int) const</data4/wilrome/gauss/soft/lhcb/
292567  0.45%  59.91%   0x00002b5c9ccd98c0 G4MaterialPropertyVector::GetProperty(double) const</data4/wilrome/gauss
272475  0.42%  60.33%   0x0000003063d00000 UNKNOWN</usr/lib64/libstdc++.so.6.0.3>
268203  0.41%  60.75%   0x00002b5ca22b4d50 GiGaStepActionSequence::UserSteppingAction(G4Step const*)</data4/wilrome
248046  0.38%  61.13%   0x00002b5ca2e46fb0 G4HadronCrossSections::CalcScatteringCrossSections(G4DynamicParticle con
243524  0.38%  61.50%   0x0000003063da9a80 __gnu_cxx::__exchange_and_add(int volatile*, int)</usr/lib64/libstdc++.s
243454  0.38%  61.88%   0x00002b5c9c2a1d70 G4SteppingManager::InvokePostStepDoItProcs()</data4/wilrome/gauss/soft/l
242462  0.37%  62.25%   0x00002b5ca3ad2ed0 RichG4OpBoundaryProcess::DielectricDielectric()</data4/wilrome/gauss/sof
238034  0.37%  62.62%   0x00002b5c9ca8f0c0 G4NavigationHistory::NewLevel(G4VPhysicalVolume*, EVolume, int)</data4/w
237232  0.37%  62.98%   0x00002b5c9c47bae0 G4VDiscreteProcess::PostStepGetPhysicalInteractionLength(G4Track const&,
235733  0.36%  63.35%   0x0000003061526cf0 __exp</lib64/tls/libm-2.3.4.so>
228867  0.35%  63.70%   0x00002b5ca2db1ca0 G4CrossSectionDataStore::GetCrossSection(G4DynamicParticle const*, G4Ele
219499  0.34%  64.04%   0x00002b5c9ca8ba80 G4Navigator::LocateGlobalPointWithinVolume(CLHEP::Hep3Vector const&)</da
217660  0.34%  64.37%   0x00002b5c9c602750 G4VEnergyLossProcess::AlongStepDoIt(G4Track const&, G4Step const&)</data
215974  0.33%  64.71%   0x00002b5c9caad7d0 G4PolyconeSide::Distance(CLHEP::Hep3Vector const&, bool)</data4/wilrome/
214927  0.33%  65.04%   0x00002b5c9cb53310 G4VoxelNavigation::ComputeVoxelSafety(CLHEP::Hep3Vector const&) const</d
214178  0.33%  65.37%   0x00002b5c9c57e170 G4PEEffectModel::ComputeCrossSectionPerAtom(G4ParticleDefinition const*,
213502  0.33%  65.70%   0x000000306150e850 __exp1</lib64/tls/libm-2.3.4.so>
212325  0.33%  66.02%   0x00002b5c9c4954e0 G4VEnergyLossProcess::GetMeanFreePath(G4Track const&, double, G4ForceCon
209862  0.32%  66.35%   0x00002b5ca3afad50 RichG4StepAnalysis3::UserSteppingAction(G4Step const*)</data4/wilrome/ga
207549  0.32%  66.67%   0x00002b5c9bfe2e80 G4OpticalPhoton::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
201667  0.31%  66.98%   0x00002b5c9ca886b0 G4NavigationHistory::G4NavigationHistory(G4NavigationHistory const&)</da
200655  0.31%  67.28%   0x00002b5c9c4936c0 G4eBremsstrahlungModel::SampleSecondaries(G4MaterialCutsCouple const*, G
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200326  0.31%  67.59%   0x00002b5ca3ab9570 RichG4HistoFillSet2::FillRichG4HistoSet2(G4Event const*, int, std::vecto
199876  0.31%  67.90%   0x0000003063daf580 operator new(unsigned long)</usr/lib64/libstdc++.so.6.0.3>
199403  0.31%  68.21%   0x00002b5c9cfb6c70 CLHEP::Hep3Vector::operator()(int) const</data4/wilrome/gauss/soft/lcg/e
199310  0.31%  68.52%   0x0000030615095b0 __ieee754_atan2</lib64/tls/libm-2.3.4.so>
191167  0.29%  68.81%   0x00002b5ca2e50be0 G4HadronicProcess::GetMeanFreePath(G4Track const&, double, G4ForceCondit
190218  0.29%  69.10%   0x00002b5c9c4551a0 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4proc
184930  0.28%  69.39%   0x00002b5c9c5d7e80 G4UrbanMscModel::SampleCosineTheta(double, double)</data4/wilrome/gauss/
183258  0.28%  69.67%   0x00002b5c9c2a94e0 G4TrackingManager::ProcessOneTrack(G4Track*)</data4/wilrome/gauss/soft/l
181292  0.28%  69.95%   0x0000003061527760 __log</lib64/tls/libm-2.3.4.so>
178379  0.27%  70.22%   0x00002b5ca314d170 G4QNucleus::G4QNucleus(G4QContent)</data4/wilrome/gauss/soft/lhcb/GEANT4
177884  0.27%  70.50%   0x0000003061270a00 __GI_strlen</lib64/tls/libc-2.3.4.so>
172925  0.27%  70.76%   0x00002b5c9c5d9d30 G4UrbanMscModel::ComputeGeomPathLength(double)</data4/wilrome/gauss/soft
171730  0.26%  71.03%   0x00002b5ca22c3d70 MinEkineCuts::PostStepGetPhysicalInteractionLength(G4Track const&, doubl
171262  0.26%  71.29%   0x00002b5c9cb1adf0 G4Tubs::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
170752  0.26%  71.56%   0x00002b5ca2244ba0 GaussPostTrackAction::PostUserTrackingAction(G4Track const*)</data4/wilr
170251  0.26%  71.82%   0x00002b5c9ca89100 G4NavigationLevel::G4NavigationLevel(G4VPhysicalVolume*, G4AffineTransfo
170173  0.26%  72.08%   0x00002b5c99087d80 CLHEP::HepRandom::getTheEngine()</data4/wilrome/gauss/soft/lcg/external/
169834  0.26%  72.34%   0x00002b5c9cb19e40 G4Tubs::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft
164535  0.25%  72.60%   0x0000003063dae290 operator delete(void*)</usr/lib64/libstdc++.so.6.0.3>
164220  0.25%  72.85%   0x00002b5c9ba98790 GiGaTrajectory::AppendStep(G4Step const*)</data4/wilrome/gauss/soft/lhcb
163570  0.25%  73.10%   0x00002b5ca245ae20 GaussTrajectory::AppendStep(G4Step const*)</data4/wilrome/gauss/soft/lhc
162539  0.25%  73.35%   0x00002b5c9c5da6e0 G4UrbanMscModel::ComputeTruePathLengthLimit(G4Track const&, G4PhysicsTab
161171  0.25%  73.60%   0x00002b5c9cfb6490 CLHEP::Hep3Vector::rotateUz(CLHEP::Hep3Vector const&)</data4/wilrome/gau
159834  0.25%  73.85%   0x00002b5ca3b3caf0 RichPhotoElectron::Definition()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
156894  0.24%  74.09%   0x00002b5c9bfb1220 G4Electron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
152659  0.24%  74.32%   0x00002b5c9ca31270 G4Cons::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
150705  0.23%  74.55%   0x00002b5c9ca88590 G4NavigationHistory::~G4NavigationHistory()</data4/wilrome/gauss/soft/lh
147434  0.23%  74.78%   0x00002b5c9ca89360 G4NavigationLevel::operator=(G4NavigationLevel const&)</data4/wilrome/ga
145173  0.22%  75.01%   0x000000306152b090 __GI___isnan</lib64/tls/libm-2.3.4.so>
142270  0.22%  75.22%   0x00002b5c9c5a8a00 G4ProcessManager::GetAttribute(int) const</data4/wilrome/gauss/soft/lhcb
140059  0.22%  75.44%   0x00002b5c9ccccc58 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4mate
139722  0.22%  75.66%   0x00002b5c9ba97760 GiGaTrajectory::GetCharge() const</data4/wilrome/gauss/soft/lhcb/GAUSS/G
135920  0.21%  75.87%   0x00002b5c9ca32890 G4Cons::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
133222  0.21%  76.07%   0x00002b5ca2cae188 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4proc
133132  0.21%  76.28%   0x00002b5c9bfd0160 G4IonTable::IsIon(G4ParticleDefinition*)</data4/wilrome/gauss/soft/lhcb/
131115  0.20%  76.48%   0x00002b5c9caad690 G4PolyconeSide::Inside(CLHEP::Hep3Vector const&, double, double*)</data4
130190  0.20%  76.68%   0x00002b5c9ca593c0 G4FieldTrack::G4FieldTrack(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector c
129961  0.20%  76.88%   0x00002b5c9c175550 G4PhysicsLogVector::FindBinLocation(double) const</data4/wilrome/gauss/s
128486  0.20%  77.08%   0x00002b5c9ca8ae30 G4Navigator::ComputeSafety(CLHEP::Hep3Vector const&, double)</data4/wilr
127770  0.20%  77.27%   0x00002b5ca3a8c4a0 RichG4Cerenkov::AlongStepDoIt(G4Track const&, G4Step const&)</data4/wilr
126995  0.20%  77.47%   0x00002b5ca22bf8b0 GiGaTrackActionSequence::PostUserTrackingAction(G4Track const*)</data4/w
126826  0.20%  77.66%   0x00002b5c9c879d80 G4ParticleChange::Initialize(G4Track const&)</data4/wilrome/gauss/soft/l
126434  0.19%  77.86%   0x00002b5c9c495060 G4VEnergyLossProcess::GetContinuousStepLimit(G4Track const&, double, dou
126383  0.19%  78.05%   0x000000306152b0c0 __GI___finite</lib64/tls/libm-2.3.4.so>
126083  0.19%  78.25%   0x00002b5ca3aa1500 RichG4Counters::getInstance()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS
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122839  0.19%  78.44%   0x00002b5c9ca892d0 G4NavigationLevel::G4NavigationLevel(G4NavigationLevel const&)</data4/wi
122031  0.19%  78.62%   0x00002b5c9ba98410 GiGaTrajectory::appendStep(G4Step const*)</data4/wilrome/gauss/soft/lhcb
119410  0.18%  78.81%   0x00002b5c9ca8f5d0 G4NormalNavigation::ComputeStep(CLHEP::Hep3Vector const&, CLHEP::Hep3Vec
119355  0.18%  78.99%   0x00002b5ca3ad6900 RichG4OpBoundaryProcess::PostStepDoIt(G4Track const&, G4Step const&)</da
117050  0.18%  79.17%   0x0000003061513470 __ieee754_log10</lib64/tls/libm-2.3.4.so>
116862  0.18%  79.35%   0x00002b5c9c2a2a40 G4SteppingManager::SetInitialStep(G4Track*)</data4/wilrome/gauss/soft/lh
116490  0.18%  79.53%   0x00002b5c9c5ebae0 G4VEmModel::CrossSectionPerVolume(G4Material const*, G4ParticleDefinitio
113600  0.18%  79.71%   0x00002b5c9caad8d0 G4PolyconeSide::PointOnCone(CLHEP::Hep3Vector const&, double, CLHEP::Hep
112864  0.17%  79.88%   0x00002b5c9cb1b9f0 G4Tubs::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
111795  0.17%  80.05%   0x00002b5c9ba99a20 GiGaTrajectory::GetTrackID() const</data4/wilrome/gauss/soft/lhcb/GAUSS/
110584  0.17%  80.22%   0x00002b5c9c5d8d50 G4UrbanMscModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dynami
108009  0.17%  80.39%   0x00002b5ca3b264b0 RichHpdPhotoElectricEffect::PostStepDoIt(G4Track const&, G4Step const&)<
105753  0.16%  80.55%   0x00002b5c9c5d7d00 G4UrbanMscModel::ComputeTheta0(double, double)</data4/wilrome/gauss/soft
103999  0.16%  80.71%   0x00002b5ca22b8600 virtual thunk to GiGaStepActionSequence::UserSteppingAction(G4Step const
103476  0.16%  80.87%   0x00002b5ca22c8470 WorldCuts::PostStepGetPhysicalInteractionLength(G4Track const&, double,
102892  0.16%  81.03%   0x00002b5ca2285fd0 GiGaMagFieldGlobal::GetFieldValue(double const*, double*) const</data4/w
102128  0.16%  81.19%   0x00002b5c9bf99560 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4part
100154  0.15%  81.34%   0x00002b5c9ca300e0 G4Cons::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft
 99924  0.15%  81.50%   0x00002b5c9c490860 G4VContinuousDiscreteProcess::PostStepGetPhysicalInteractionLength(G4Tra
 99672  0.15%  81.65%   0x0000003063d90260 std::string::_Rep::_S_create(unsigned long, unsigned long, std::allocato
 99508  0.15%  81.80%   0x0000003061271af0 __GI_memmove</lib64/tls/libc-2.3.4.so>
 99414  0.15%  81.96%   0x00002b5ca3aa7490 RichG4EventHitCount::Rich2TrajTraverse(G4Event const*, int)</data4/wilro
 98958  0.15%  82.11%   0x0000003063d92770 std::basic_string<char, std::char_traits<char>, std::allocator<char> >::
 97801  0.15%  82.26%   0x00002b5c9c878c80 G4ParticleChangeForTransport::UpdateStepForPostStep(G4Step*)</data4/wilr
 97464  0.15%  82.41%   0x00002b5c96e798c0 StatusCode::~StatusCode()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
 97095  0.15%  82.56%   0x00002b5ca3aa7950 RichG4EventHitCount::Rich1AgelTrajTraverse(G4Event const*, int)</data4/w
 96549  0.15%  82.71%   0x00002b5c9ca77ae0 G4IntersectingCone::LineHitsCone2(CLHEP::Hep3Vector const&, CLHEP::Hep3V
 96460  0.15%  82.86%   0x00002b5ca3aa7e10 RichG4EventHitCount::Rich1TrajTraverse(G4Event const*, int)</data4/wilro
 95568  0.15%  83.00%   0x00000030612687a0 malloc_consolidate</lib64/tls/libc-2.3.4.so>
 94253  0.15%  83.15%   0x00002b5c9ca82440 G4MagInt_Driver::AccurateAdvance(G4FieldTrack&, double, double, double)<
 94163  0.15%  83.29%   0x00002b5c9ca00460 G4Box::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
 91825  0.14%  83.44%   0x00002b5c9ca81bd0 G4MagInt_Driver::QuickAdvance(G4FieldTrack&, double const*, double, doub
 91442  0.14%  83.58%   0x00002b5c9caadd60 G4PolyconeSide::Intersect(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector co
 91221  0.14%  83.72%   0x00002b5c9cb13790 G4Trd::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft/
 90222  0.14%  83.86%   0x00002b5ca316b9e0 G4QPDGCode::MakeQCode(int const&)</data4/wilrome/gauss/soft/lhcb/GEANT4/
 89684  0.14%  83.99%   0x00002b5c9ca7c6a0 G4LogicalBorderSurface::GetSurface(G4VPhysicalVolume const*, G4VPhysical
 87584  0.13%  84.13%   0x00002b5c9c5a8df0 G4ProcessManager::StartTracking(G4Track*)</data4/wilrome/gauss/soft/lhcb
 85196  0.13%  84.26%   0x00002b5c9c5f9fa0 G4VEnergyLossProcess::PostStepDoIt(G4Track const&, G4Step const&)</data4
 84400  0.13%  84.39%   0x00002b5c9bfe3270 G4OpticalPhoton::OpticalPhoton()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
 83943  0.13%  84.52%   0x0000003063d8ff90 std::string::compare(char const*) const</usr/lib64/libstdc++.so.6.0.3>
 82213  0.13%  84.65%   0x00002b5c9c5d89b0 G4UrbanMscModel::SampleDisplacement()</data4/wilrome/gauss/soft/lhcb/GEA
 81855  0.13%  84.77%   0x00002b5ca224f2d0 GaussStepAction::UserSteppingAction(G4Step const*)</data4/wilrome/gauss/
 80633  0.12%  84.90%   0x00002b5c9c610b00 G4VProcess::StartTracking(G4Track*)</data4/wilrome/gauss/soft/lhcb/GEANT
 79151  0.12%  85.02%   0x00002b5ca306b860 G4PhotoNuclearCrossSection::GetCrossSection(G4DynamicParticle const*, G4
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77658  0.12%  85.14%   0x00002b5c9cac7760 G4PVPlacement::GetCopyNo() const</data4/wilrome/gauss/soft/lhcb/GEANT4/G
77408  0.12%  85.26%   0x00002b5c9c501c70 G4VMultipleScattering::GetContinuousStepLimit(G4Track const&, double, do
76069  0.12%  85.37%   0x00002b5ca2250860 virtual thunk to GaussStepAction::UserSteppingAction(G4Step const*)</dat
75472  0.12%  85.49%   0x00002b5c9cac4e80 G4PropagatorInField::ComputeStep(G4FieldTrack&, double, double&, G4VPhys
74951  0.12%  85.61%   0x00002b5ca316f2a0 G4QPDGCode::GetNuclMass(int, int, int)</data4/wilrome/gauss/soft/lhcb/GE
74764  0.12%  85.72%   0x00002b5c9caef770 G4SubtractionSolid::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/
74747  0.12%  85.84%   0x00000030615081e0 __ieee754_acos</lib64/tls/libm-2.3.4.so>
74432  0.11%  85.95%   0x00002b5c9cfb6be0 CLHEP::Hep3Vector::operator()(int)</data4/wilrome/gauss/soft/lcg/externa
74226  0.11%  86.07%   0x00002b5c9cae4c00 G4Sphere::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const
74126  0.11%  86.18%   0x00002b5ca3a460d8 _init</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/GaussRICH/v7r
74039  0.11%  86.29%   0x00002b5c9c9ffdb0 G4Box::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss
73955  0.11%  86.41%   0x00002b5c9c171be0 G4LPhysicsFreeVector::FindBinLocation(double) const</data4/wilrome/gauss
73863  0.11%  86.52%   0x0000003063d927d0 std::basic_string<char, std::char_traits<char>, std::allocator<char> >::
73548  0.11%  86.64%   0x00002b5c9cad86e0 __gnu_cxx::__normal_iterator<G4Material**, std::vector<G4Material*, std:
72239  0.11%  86.75%   0x00002b5c9ca77eb0 G4IntersectingCone::LineHitsCone1(CLHEP::Hep3Vector const&, CLHEP::Hep3V
72157  0.11%  86.86%   0x00002b5c9c2a49e0 G4Step::InitializeStep(G4Track*)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
71867  0.11%  86.97%   0x00002b5c9ccd9860 G4MaterialPropertyVector::GetAdjacentBins(double, int*, int*) const</dat
71862  0.11%  87.08%   0x00002b5ca2e56be0 G4HadronInelasticProcess::IsApplicable(G4ParticleDefinition const&)</dat
70711  0.11%  87.19%   0x00002b5c9c5a8d70 G4ProcessManager::EndTracking()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
67903  0.10%  87.29%   0x0000003063da9a90 __gnu_cxx::__atomic_add(int volatile*, int)</usr/lib64/libstdc++.so.6.0.
67505  0.10%  87.40%   0x00002b5c9c296960 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4trac
66991  0.10%  87.50%   0x00002b5c9cac08f0 G4PropagatorInField::IntersectChord(CLHEP::Hep3Vector, CLHEP::Hep3Vector
66889  0.10%  87.60%   0x00002b5c9cac1ff0 G4PropagatorInField::LocateIntersectionPoint(G4FieldTrack const&, G4Fiel
64169  0.10%  87.70%   0x00002b5c9ca3de20 G4DisplacedSolid::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vect
63477  0.10%  87.80%   0x0000003063d904b0 std::basic_string<char, std::char_traits<char>, std::allocator<char> >::
61050  0.09%  87.89%   0x00002b5c9c55ba90 G4MuPairProductionModel::ComputeDMicroscopicCrossSection(double, double,
59570  0.09%  87.99%   0x00002b5c9ba98ea0 GiGaTrajectory::GiGaTrajectory(G4Track const*)</data4/wilrome/gauss/soft
59422  0.09%  88.08%   0x00002b5c9ca80450 G4MagErrorStepper::Stepper(double const*, double const*, double, double*
58780  0.09%  88.17%   0x00002b5ca316b8a0 G4QPDGCode::ConvertPDGToZNS(int, int&, int&, int&)</data4/wilrome/gauss/
58197  0.09%  88.26%   0x00002b5ca22c3820 LoopCuts::PostStepGetPhysicalInteractionLength(G4Track const&, double, G
57687  0.09%  88.35%   0x00002b5ca226dee0 GaussTrackActionHepMC::PreUserTrackingAction(G4Track const*)</data4/wilr
56965  0.09%  88.43%   0x00002b5ca22bf970 GiGaTrackActionSequence::PreUserTrackingAction(G4Track const*)</data4/wi
56884  0.09%  88.52%   0x00002b5c9cac0cd0 G4PropagatorInField::ClearPropagatorState()</data4/wilrome/gauss/soft/lh
56235  0.09%  88.61%   0x00002b5c9cae3560 G4Sphere::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/so
56079  0.09%  88.69%   0x0000003061527880 __pow</lib64/tls/libm-2.3.4.so>
54178  0.08%  88.78%   0x00002b5c9ca27b60 G4ChordFinder::FindNextChord(G4FieldTrack, double, G4FieldTrack&, double
53601  0.08%  88.86%   0x00002b5c9b8ef790 G4String::~G4String()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/S
52805  0.08%  88.94%   0x00002b5c9ca4e500 G4EnclosingCylinder::MustBeOutside(CLHEP::Hep3Vector const&) const</data
52598  0.08%  89.02%   0x00002b5c9cac0ca0 G4PropagatorInField::GimmeTrajectoryVectorAndForgetIt() const</data4/wil
51442  0.08%  89.10%   0x000000306151fdc0 tan</lib64/tls/libm-2.3.4.so>
50548  0.08%  89.18%   0x000000306122d4b0 __GI___finite</lib64/tls/libc-2.3.4.so>
50454  0.08%  89.26%   0x00002b5ca3124bd0 std::_Deque_base<G4QParton*, std::allocator<G4QParton*> >::_M_initialize
50446  0.08%  89.34%   0x00002b5c9bd0f380 G4EventManager::DoProcessing(G4Event*)</data4/wilrome/gauss/soft/lhcb/GE
50016  0.08%  89.41%   0x00002b5ca3adc7c0 RichG4OpRayleigh::GetMeanFreePath(G4Track const&, double, G4ForceConditi
49679  0.08%  89.49%   0x00002b5c9c5d8be0 G4UrbanMscModel::LatCorrelation()</data4/wilrome/gauss/soft/lhcb/GEANT4/
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49489  0.08%  89.57%   0x00002b5c9c2a48c0 G4CountedObject<G4VTouchable>::G4CountedObject(G4VTouchable*)</data4/wil
49284  0.08%  89.64%   0x00002b5ca3b0d930 RichG4TrackActionAerogelPhoton::PreUserTrackingAction(G4Track const*)</d
49029  0.08%  89.72%   0x00002b5c9ca3df50 G4DisplacedSolid::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wi
48868  0.08%  89.79%   0x00002b5c9ba99b60 std::vector<GiGaTrajectoryPoint*, std::allocator<GiGaTrajectoryPoint*> >
48759  0.08%  89.87%   0x00002b5c9caef200 G4SubtractionSolid::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Ve
48728  0.08%  89.94%   0x00002b5c99084500 CLHEP::RandGaussQ::transformQuick(double)</data4/wilrome/gauss/soft/lcg/
48726  0.08%  90.02%   0x00000030615277f0 __log10</lib64/tls/libm-2.3.4.so>
48617  0.07%  90.09%   0x00002b5ca2dd2a00 G4ElectroNuclearCrossSection::GetCrossSection(G4DynamicParticle const*,
48230  0.07%  90.17%   0x00002b5ca3afecd0 virtual thunk to RichG4StepAnalysis3::UserSteppingAction(G4Step const*)<
48206  0.07%  90.24%   0x00002b5c9bd47610 G4StackManager::PopNextTrack(G4VTrajectory**)</data4/wilrome/gauss/soft/
48147  0.07%  90.31%   0x00002b5c9c877c30 G4ParticleChangeForLoss::UpdateStepForAlongStep(G4Step*)</data4/wilrome/
47918  0.07%  90.39%   0x00002b5c9c2a1110 G4SteppingManager::GetProcessNumber()</data4/wilrome/gauss/soft/lhcb/GEA
47809  0.07%  90.46%   0x00002b5c9c5ed730 G4VEmProcess::PostStepDoIt(G4Track const&, G4Step const&)</data4/wilrome
46985  0.07%  90.53%   0x00002b5c9c87a3b0 G4ParticleChange::UpdateStepForPostStep(G4Step*)</data4/wilrome/gauss/so
46022  0.07%  90.61%   0x00002b5c9bd0f2c0 G4EventManager::StackTracks(std::vector<G4Track*, std::allocator<G4Track
45608  0.07%  90.68%   0x00002b5c9cb53500 G4VoxelNavigation::ComputeSafety(CLHEP::Hep3Vector const&, G4NavigationH
45416  0.07%  90.75%   0x00002b5c9c5d7b70 G4UrbanMscModel::ComputeTrueStepLength(double)</data4/wilrome/gauss/soft
45192  0.07%  90.82%   0x00002b5c9caef990 G4SubtractionSolid::DistanceToOut(CLHEP::Hep3Vector const&) const</data4
44633  0.07%  90.88%   0x00002b5c9ca82050 G4MagInt_Driver::OneGoodStep(double*, double const*, double&, double, do
43668  0.07%  90.95%   0x00002b5c9c5d3c10 G4Transportation::StartTracking(G4Track*)</data4/wilrome/gauss/soft/lhcb
43464  0.07%  91.02%   0x00002b5c9c549cc0 G4MuBremsstrahlungModel::ComputeDMicroscopicCrossSection(double, double,
42636  0.07%  91.08%   0x00002b5c9c2a28a0 G4CountedObject<G4VTouchable>::~G4CountedObject()</data4/wilrome/gauss/s
42415  0.07%  91.15%   0x00002b5c9c610b20 G4VProcess::EndTracking()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
41261  0.06%  91.21%   0x00002b5c9c87bcf0 G4Track::~G4Track()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1
40964  0.06%  91.28%   0x00002b5c9bfaf6a0 G4DynamicParticle::~G4DynamicParticle()</data4/wilrome/gauss/soft/lhcb/G
40908  0.06%  91.34%   0x00002b5c9ba9a740 GiGaTrajectoryPoint::operator new(unsigned long)</data4/wilrome/gauss/so
40842  0.06%  91.40%   0x00002b5ca3192190 G4Quasmon::CalculateHadronizationProbabilities(double, double, CLHEP::He
40714  0.06%  91.46%   0x00002b5ca314e1b0 G4QNucleus::G4QNucleus(int, int, int)</data4/wilrome/gauss/soft/lhcb/GEA
40349  0.06%  91.53%   0x00002b5c9cb077d0 G4TransportationManager::GetTransportationManager()</data4/wilrome/gauss
39644  0.06%  91.59%   0x00002b5c9c4cc300 G4PhysicsVector::GetValue(double, bool&)</data4/wilrome/gauss/soft/lhcb/
38631  0.06%  91.65%   0x0000003061007840 do_lookup_x</lib64/ld-2.3.4.so>
38417  0.06%  91.71%   0x00002b5c9cb50640 G4VCSGfaceted::DistanceTo(CLHEP::Hep3Vector const&, bool) const</data4/w
37776  0.06%  91.76%   0x00002b5c9c523c20 G4KleinNishinaCompton::SampleSecondaries(G4MaterialCutsCouple const*, G4
37768  0.06%  91.82%   0x00002b5c9bfb04f0 G4DynamicParticle::G4DynamicParticle(G4ParticleDefinition*, CLHEP::Hep3V
37661  0.06%  91.88%   0x00002b5c9c2ad840 G4TrajectoryPoint::G4TrajectoryPoint(CLHEP::Hep3Vector)</data4/wilrome/g
36853  0.06%  91.94%   0x00002b5ca2287960 virtual thunk to GiGaMagFieldGlobal::GetFieldValue(double const*, double
36302  0.06%  91.99%   0x00002b5c9caad4d0 G4PolyconeSide::Normal(CLHEP::Hep3Vector const&, double*)</data4/wilrome
35160  0.05%  92.05%   0x00002b5ca2233988 _init</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/GaussTools/v1
34430  0.05%  92.10%   0x00002b5c9ddf90bc xercesc_2_7::DOMDeepNodeListImpl::nextMatchingElementAfter(xercesc_2_7::
34047  0.05%  92.15%   0x00002b5c9c4cbcc0 G4EnergyLossTables::GetRangeTable(G4ParticleDefinition const*)</data4/wi
33991  0.05%  92.21%   0x00002b5c9cb4e8e0 G4UnionSolid::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
33596  0.05%  92.26%   0x00002b5c9ca8e170 G4Navigator::ResetHierarchyAndLocate(CLHEP::Hep3Vector const&, CLHEP::He
33410  0.05%  92.31%   0x00002b5c9c87c330 G4Track::G4Track(G4DynamicParticle*, double, CLHEP::Hep3Vector const&)</
33397  0.05%  92.36%   0x00002b5c9bfaf8c0 G4DynamicParticle::AllocateElectronOccupancy()</data4/wilrome/gauss/soft
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33297  0.05%  92.41%   0x00002b5ca224d870 GaussPreTrackAction::PreUserTrackingAction(G4Track const*)</data4/wilrom
32010  0.05%  92.46%   0x00002b5c9c5d30b0 G4Transportation::PostStepGetPhysicalInteractionLength(G4Track const&, d
30678  0.05%  92.51%   0x00002aaac02e3840 CaloSensDet::cell(G4StepPoint const*) const</data4/wilrome/gauss/soft/lh
30653  0.05%  92.56%   0x00002b5ca306b760 G4PhotoNuclearCrossSection::EquLinearFit(double, int, double, double, do
30177  0.05%  92.60%   0x00002b5c99fe4600 UpdateManagerSvc::i_registerCondition(std::string const&, BaseObjectMemb
30079  0.05%  92.65%   0x00002b5c9ba716f0 _init</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/GiGa/v19r1/sl
29786  0.05%  92.69%   0x00002b5c9bd10360 std::vector<G4Track*, std::allocator<G4Track*> >::erase(__gnu_cxx::__nor
29479  0.05%  92.74%   0x00002b5ca3b37340 RichHpdSiEnergyLoss::GetMeanFreePath(G4Track const&, double, G4ForceCond
28907  0.04%  92.78%   0x00002b5c9cae3ee0 G4Sphere::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/g
28777  0.04%  92.83%   0x00002b5c9ca27600 G4ChordFinder::AdvanceChordLimited(G4FieldTrack&, double, double, CLHEP:
28722  0.04%  92.87%   0x00002b5c9cb04c70 G4TouchableHistory::~G4TouchableHistory()</data4/wilrome/gauss/soft/lhcb
28713  0.04%  92.92%   0x00002b5c9ca28250 G4ChordFinder::ApproxCurvePointV(G4FieldTrack const&, G4FieldTrack const
28684  0.04%  92.96%   0x00002b5c9cae6d60 G4Sphere::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/ga
28586  0.04%  93.01%   0x00002b5c9ba9a070 GiGaTrajectoryPoint::GiGaTrajectoryPoint(CLHEP::Hep3Vector const&, doubl
28581  0.04%  93.05%   0x0000003063d90650 std::string::_Rep::_M_destroy(std::allocator<char> const&)</usr/lib64/li
28510  0.04%  93.09%   0x00002b5ca316ca80 G4QPDGCode::GetQuarkContent() const</data4/wilrome/gauss/soft/lhcb/GEANT
28499  0.04%  93.14%   0x00002b5c9c491ad0 G4eBremsstrahlungModel::SupressionFunction(G4Material const*, double, do
28466  0.04%  93.18%   0x00002b5c9ba98230 GiGaTrajectory::~GiGaTrajectory()</data4/wilrome/gauss/soft/lhcb/GAUSS/G
28447  0.04%  93.22%   0x00002b5ca3a8c390 RichG4Cerenkov::GetContinuousStepLimit(G4Track const&, double, double, d
27866  0.04%  93.27%   0x00002b5ca3b37550 RichHpdSiEnergyLoss::AlongStepDoIt(G4Track const&, G4Step const&)</data4
27289  0.04%  93.31%   0x00002b5ca2e46c80 G4HadronCrossSections::GetParticleCode(G4DynamicParticle const*)</data4/
27108  0.04%  93.35%   0x00002b5c9bfefb60 G4Positron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
26847  0.04%  93.39%   0x00002b5ca306c8c0 G4PhotoNuclearCrossSection::IsApplicable(G4DynamicParticle const*, G4Ele
26724  0.04%  93.43%   0x00002b5c9d352cd0 virtual thunk to MagneticFieldSvc::fieldVector(ROOT::Math::PositionVecto
26378  0.04%  93.47%   0x00002b5c97c205d0 deflate_fast</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_a
26120  0.04%  93.51%   0x00002b5c9bd47480 G4StackManager::PushOneTrack(G4Track*, G4VTrajectory*)</data4/wilrome/ga
26068  0.04%  93.55%   0x00002b5c9ca7c220 G4LineSection::Dist(CLHEP::Hep3Vector) const</data4/wilrome/gauss/soft/l
25756  0.04%  93.59%   0x00002b5ca30a62f0 G4QContent::GetSPDGCode() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
25659  0.04%  93.63%   0x00002b5c9c2b0130 G4VTrajectoryPoint::G4VTrajectoryPoint()</data4/wilrome/gauss/soft/lhcb/
25580  0.04%  93.67%   0x00002b5ca226e6d0 GaussTrackActionHepMC::PostUserTrackingAction(G4Track const*)</data4/wil
25571  0.04%  93.71%   0x00002b5ca2dd4050 G4ElectroNuclearCrossSection::IsApplicable(G4DynamicParticle const*, G4E
25319  0.04%  93.75%   0x00002b5ca295eca0 G4HadronicProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrome/g
25311  0.04%  93.79%   0x00002b5ca3118400 G4QHadron::DefineQC(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
25274  0.04%  93.83%   0x00002b5c9c46b870 G4BetheHeitlerModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dy
25189  0.04%  93.87%   0x00002b5ca245a5f0 GaussTrackInformation::operator new(unsigned long)</data4/wilrome/gauss/
25124  0.04%  93.91%   0x00002b5ca322f1a0 G4UHadronElasticProcess::GetMicroscopicCrossSection(G4DynamicParticle co
25009  0.04%  93.95%   0x00002b5c9c490940 G4VContinuousDiscreteProcess::AlongStepGetPhysicalInteractionLength(G4Tr
24875  0.04%  93.98%   0x00002b5c9c476ea0 G4VContinuousProcess::AlongStepGetPhysicalInteractionLength(G4Track cons
24869  0.04%  94.02%   0x00002b5c9ca8c430 G4Navigator::SetupHierarchy()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
24806  0.04%  94.06%   0x00002b5c9ca3e000 G4DisplacedSolid::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vec
24633  0.04%  94.10%   0x00002b5c9c494fb0 G4VEnergyLossProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrom
24481  0.04%  94.14%   0x00002b5c9c4cc4b0 std::_Rb_tree<G4ParticleDefinition const*, std::pair<G4ParticleDefinitio
24413  0.04%  94.17%   0x0000003061540ef0 __dubsin</lib64/tls/libm-2.3.4.so>
24412  0.04%  94.21%   0x00002b5c9caef7f0 G4SubtractionSolid::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3V
24336  0.04%  94.25%   0x00002aaac02ed8f0 EcalSensDet::fillHitInfo(CaloSubHit*, HepGeom::Point3D<double> const&, d
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24244  0.04%  94.29%   0x00002b5c99fe38d0 UpdateManagerSvc::i_registerCondition(void*, BaseObjectMemberFunction*)<
24130  0.04%  94.32%   0x00002b5c9ca32be0 G4Cons::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&
23992  0.04%  94.36%   0x00002b5c9c45ec10 std::vector<G4DynamicParticle*, std::allocator<G4DynamicParticle*> >::_M
23739  0.04%  94.40%   0x00002b5c9c5d9150 G4UrbanMscModel::ComputeCrossSectionPerAtom(G4ParticleDefinition const*,
23622  0.04%  94.43%   0x00002b5c9907d3b0 CLHEP::RandFlat::shoot()</data4/wilrome/gauss/soft/lcg/external/clhep/1.
23585  0.04%  94.47%   0x00002b5ca322e5e0 G4UHadronElasticProcess::GetMeanFreePath(G4Track const&, double, G4Force
23536  0.04%  94.51%   0x00002b5c9c476e20 G4VProcess::ClearNumberOfInteractionLengthLeft()</data4/wilrome/gauss/so
22868  0.04%  94.54%   0x00002b5c9cae70b0 G4Sphere::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector cons
21145  0.03%  94.57%   0x00002b5c9c17a0c0 G4PhysicsVector::GetLowEdgeEnergy(unsigned long) const</data4/wilrome/ga
20977  0.03%  94.61%   0x00002b5c9bd481d0 G4TrackStack::GrabFromStack(G4StackedTrack*)</data4/wilrome/gauss/soft/l
20973  0.03%  94.64%   0x00002b5c9c5609c0 G4OpAbsorption::GetMeanFreePath(G4Track const&, double, G4ForceCondition
20960  0.03%  94.67%   0x00002b5c9cb50060 G4VCSGfaceted::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
20910  0.03%  94.70%   0x00002b5c97c1ff70 longest_match</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
20789  0.03%  94.74%   0x00002b5c9c87d3f0 G4VParticleChange::AddSecondary(G4Track*)</data4/wilrome/gauss/soft/lhcb
20578  0.03%  94.77%   0x00002b5ca3121d00 G4QHadron::G4QHadron(int, CLHEP::HepLorentzVector)</data4/wilrome/gauss/
20574  0.03%  94.80%   0x00002b5c9ca27a00 G4ChordFinder::NewStep(double, double, double&)</data4/wilrome/gauss/sof
20473  0.03%  94.83%   0x0000003061526880 __acos</lib64/tls/libm-2.3.4.so>
20454  0.03%  94.86%   0x00002b5ca311d060 G4QHadron::~G4QHadron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
20438  0.03%  94.89%   0x00002b5ca3b3cee0 RichPhotoElectron::PhotoElectron()</data4/wilrome/gauss/soft/lhcb/GAUSS/
20382  0.03%  94.92%   0x00002b5c9cac08c0 G4PropagatorInField::FindAndSetFieldManager(G4VPhysicalVolume*)</data4/w
20288  0.03%  94.96%   0x00002b5c9bfeff70 G4Positron::PositronDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
20155  0.03%  94.99%   0x00002aaac02d77b0 CaloSensDet::ProcessHits(G4Step*, G4TouchableHistory*)</data4/wilrome/ga
19831  0.03%  95.02%   0x00002b5c9cac7780 G4PVPlacement::IsReplicated() const</data4/wilrome/gauss/soft/lhcb/GEANT
19701  0.03%  95.05%   0x00002b5c9bd48250 G4TrackStack::PopFromStack()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
19638  0.03%  95.08%   0x00002b5c9c612b90 G4VRangeToEnergyConverter::RangeLogSimpson(int, std::vector<G4Element*,
19571  0.03%  95.11%   0x00002b5ca3120b80 G4QHadron::G4QHadron(G4QContent, CLHEP::HepLorentzVector)</data4/wilrome
19531  0.03%  95.14%   0x00002b5c9c476df0 G4VProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrome/gauss/so
19237  0.03%  95.17%   0x00002b5ca2e48150 G4HadronCrossSections::GetInelasticCrossSection(G4DynamicParticle const*
19012  0.03%  95.20%   0x00002b5ca3b16050 RichG4TrackActionPhotOpt::PreUserTrackingAction(G4Track const*)</data4/w
19003  0.03%  95.23%   0x00002b5ca2271da0 virtual thunk to GaussTrackActionHepMC::PostUserTrackingAction(G4Track c
18843  0.03%  95.26%   0x00002b5c9cb087d0 G4Trap::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
18814  0.03%  95.28%   0x00002b5c9ca89e80 G4NavigationLevelRep::~G4NavigationLevelRep()</data4/wilrome/gauss/soft/
18720  0.03%  95.31%   0x00002b5ca224ea70 virtual thunk to GaussPreTrackAction::PostUserTrackingAction(G4Track con
18668  0.03%  95.34%   0x00002b5c9cb1bc30 G4Tubs::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&
18523  0.03%  95.37%   0x00002b5c9c4921b0 G4eBremsstrahlungModel::SelectRandomAtom(G4MaterialCutsCouple const*)</d
18492  0.03%  95.40%   0x00002b5ca3b12590 virtual thunk to RichG4TrackActionAerogelPhoton::PostUserTrackingAction(
17984  0.03%  95.43%   0x00002b5c9ba9aa10 G4TrajectoryPoint::GetPosition() const</data4/wilrome/gauss/soft/lhcb/GA
17852  0.03%  95.45%   0x00002b5c9bfb1620 G4Electron::ElectronDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
17663  0.03%  95.48%   0x00002b5c9cb14f70 G4Trd::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
17578  0.03%  95.51%   0x00002b5c97c20210 fill_window</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_am
17513  0.03%  95.54%   0x00002b5c9bfb0170 G4DynamicParticle::G4DynamicParticle(G4ParticleDefinition*, CLHEP::Hep3V
17429  0.03%  95.56%   0x00002b5ca245a650 GaussTrackInformation::~GaussTrackInformation()</data4/wilrome/gauss/sof
17310  0.03%  95.59%   0x0000003061526a80 __atan2</lib64/tls/libm-2.3.4.so>
17264  0.03%  95.62%   0x00002b5c9cb4ebe0 G4UnionSolid::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
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17142  0.03%  95.64%   0x00002b5ca3157bf0 G4QNucleus::PrepareCandidates(std::vector<G4QCandidate*, std::allocator<
17078  0.03%  95.67%   0x00002b5ca224ead0 virtual thunk to GaussPreTrackAction::PreUserTrackingAction(G4Track cons
17073  0.03%  95.69%   0x00002b5ca245a7e0 GaussTrackInformation::GaussTrackInformation()</data4/wilrome/gauss/soft
16690  0.03%  95.72%   0x00002b5c9c4824d0 G4Decay::GetMeanFreePath(G4Track const&, double, G4ForceCondition*)</dat
16637  0.03%  95.75%   0x00002b5c9c2b0150 G4VTrajectoryPoint::~G4VTrajectoryPoint()</data4/wilrome/gauss/soft/lhcb
16634  0.03%  95.77%   0x00002b5ca224b920 virtual thunk to GaussPostTrackAction::PostUserTrackingAction(G4Track co
16540  0.03%  95.80%   0x00002b5c9ba9a780 GiGaTrajectoryPoint::operator delete(void*)</data4/wilrome/gauss/soft/lh
16454  0.03%  95.82%   0x00002b5ca3b12570 virtual thunk to RichG4TrackActionAerogelPhoton::PreUserTrackingAction(G
16432  0.03%  95.85%   0x00002b5ca2e47f50 G4HadronCrossSections::GetCaptureCrossSection(G4DynamicParticle const*,
16119  0.02%  95.87%   0x00002b5c9c501be0 G4VMultipleScattering::PostStepDoIt(G4Track const&, G4Step const&)</data
16117  0.02%  95.90%   0x00002b5ca3a8b6e0 virtual thunk to Rich1G4TrackActionUpstrPhoton::PostUserTrackingAction(G
16106  0.02%  95.92%   0x00002b5c9bd48270 G4TrackStack::PushToStack(G4StackedTrack*)</data4/wilrome/gauss/soft/lhc
16074  0.02%  95.95%   0x00002b5ca3a8a120 Rich1G4TrackActionUpstrPhoton::PreUserTrackingAction(G4Track const*)</da
15961  0.02%  95.97%   0x00002b5ca30a5080 G4QContent::operator-=(G4QContent const&)</data4/wilrome/gauss/soft/lhcb
15841  0.02%  96.00%   0x00002b5ca3170f90 G4QPDGCode::GetMass()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
15802  0.02%  96.02%   0x00002b5c9cadc6d0 G4SafetyHelper::ComputeSafety(CLHEP::Hep3Vector const&)</data4/wilrome/g
15602  0.02%  96.04%   0x00000030612303c0 __GI_getenv</lib64/tls/libc-2.3.4.so>
15537  0.02%  96.07%   0x00002b5ca2244a90 GaussPostTrackAction::PreUserTrackingAction(G4Track const*)</data4/wilro
15508  0.02%  96.09%   0x0000003063d8f710 std::string::find(char const*, unsigned long, unsigned long) const</usr/
15417  0.02%  96.12%   0x0000003061010140 strcmp</lib64/ld-2.3.4.so>
15361  0.02%  96.14%   0x00002b5c97be21b0 int TStreamerInfo::WriteBufferAux<char**>(TBuffer&, char** const&, int,
15054  0.02%  96.16%   0x00002b5c9c541440 G4MollerBhabhaModel::MaxSecondaryEnergy(G4ParticleDefinition const*, dou
14833  0.02%  96.19%   0x00002b5c9c8780c0 G4ParticleChangeForMSC::UpdateStepForAlongStep(G4Step*)</data4/wilrome/g
14790  0.02%  96.21%   0x00002b5ca30a4f40 G4QContent::G4QContent(G4QContent const&)</data4/wilrome/gauss/soft/lhcb
14783  0.02%  96.23%   0x0000003063d906d0 std::string::assign(std::string const&)</usr/lib64/libstdc++.so.6.0.3>
14775  0.02%  96.25%   0x00002b5c9c2ad9e0 G4TrajectoryPoint::~G4TrajectoryPoint()</data4/wilrome/gauss/soft/lhcb/G
14672  0.02%  96.28%   0x00002b5c9cfbaaf0 CLHEP::Hep3Vector::operator*=(CLHEP::HepRotation const&)</data4/wilrome/
14610  0.02%  96.30%   0x00002b5ca245ad00 GaussTrajectory::operator new(unsigned long)</data4/wilrome/gauss/soft/l
14603  0.02%  96.32%   0x00002b5c9cb147f0 G4Trd::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&,
14464  0.02%  96.34%   0x00002b5c9c2af550 G4VTrajectory::G4VTrajectory()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
14413  0.02%  96.37%   0x00002b5c9c4c6460 G4EnergyLossTables::GetDEDX(G4ParticleDefinition const*, double, G4Mater
14340  0.02%  96.39%   0x00002b5ca3191490 G4Quasmon::ModifyInMatterCandidates()</data4/wilrome/gauss/soft/lhcb/GEA
14314  0.02%  96.41%   0x00002b5c9c87d9a0 G4VUserTrackInformation::~G4VUserTrackInformation()</data4/wilrome/gauss
14123  0.02%  96.43%   0x00002b5ca30a5cc0 G4QContent::GetBaryonNumber() const</data4/wilrome/gauss/soft/lhcb/GEANT
14041  0.02%  96.45%   0x00002b5ca22c41f0 SpecialCuts::PostStepDoIt(G4Track const&, G4Step const&)</data4/wilrome/
13992  0.02%  96.47%   0x00002b5c9cb08a00 G4Trap::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
13965  0.02%  96.50%   0x00002b5ca3b1bf40 virtual thunk to RichG4TrackActionPhotOpt::PostUserTrackingAction(G4Trac
13947  0.02%  96.52%   0x00002b5c9c2a2220 G4SteppingManager::InvokeAtRestDoItProcs()</data4/wilrome/gauss/soft/lhc
13884  0.02%  96.54%   0x00002b5ca2593f10 GiGaVolumeUtils::findLVolume(std::string const&)</data4/wilrome/gauss/so
13770  0.02%  96.56%   0x00002b5c9cb501b0 G4VCSGfaceted::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
13569  0.02%  96.58%   0x00002b5c9ba99b10 std::vector<GiGaTrajectoryPoint*, std::allocator<GiGaTrajectoryPoint*> >
13463  0.02%  96.60%   0x00002b5c9ca8a640 G4Navigator::ResetState()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
13357  0.02%  96.62%   0x00002b5c9bfb1610 G4Electron::Electron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
13292  0.02%  96.64%   0x00002b5c9c495b30 G4eBremsstrahlung::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCouple
13140  0.02%  96.66%   0x00002b5ca245ad40 GaussTrajectory::operator delete(void*)</data4/wilrome/gauss/soft/lhcb/G
```

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13106  0.02%  96.68%   0x00002b5c9cb08a80 G4Trap::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&
12991  0.02%  96.70%   0x00002b5ca316c610 G4QPDGCode::G4QPDGCode(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
12982  0.02%  96.72%   0x00002b5c9cadc740 G4SafetyHelper::ReLocateWithinVolume(CLHEP::Hep3Vector const&)</data4/wi
12900  0.02%  96.74%   0x00002b5c9ba9a800 GiGaTrajectoryPoint::~GiGaTrajectoryPoint()</data4/wilrome/gauss/soft/lh
12813  0.02%  96.76%   0x00002b5c9c2af570 G4VTrajectory::~G4VTrajectory()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
12776  0.02%  96.78%   0x00002b5c97c26d40 compress_block</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
12693  0.02%  96.80%   0x00002b5c9c2a28c0 std::_Rb_tree<G4ParticleDefinition const*, std::pair<G4ParticleDefinitio
12592  0.02%  96.82%   0x00002b5c9c8780e0 G4ParticleChangeForMSC::UpdateStepForPostStep(G4Step*)</data4/wilrome/ga
12573  0.02%  96.84%   0x00002b5c9c47ce00 G4VEmProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrome/gauss/
12541  0.02%  96.86%   0x00002b5ca2dd4070 G4ElectroNuclearCrossSection::IsZAApplicable(G4DynamicParticle const*, d
12292  0.02%  96.88%   0x00002b5c9ca34540 G4Cons::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
12237  0.02%  96.90%   0x00002b5c9c4d03c0 G4eplusAnnihilation::AtRestDoIt(G4Track const&, G4Step const&)</data4/wi
11918  0.02%  96.92%   0x00002b5c9cb13c00 G4Trd::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
11884  0.02%  96.94%   0x0000003061544a50 __mul</lib64/tls/libm-2.3.4.so>
11795  0.02%  96.95%   0x00002b5c9c501bb0 G4VMultipleScattering::AlongStepDoIt(G4Track const&, G4Step const&)</dat
11762  0.02%  96.97%   0x00002b5ca2454e38 _init</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/GaussTools/v1
11443  0.02%  96.99%   0x00002aaac02e7570 virtual thunk to CaloSensDet::ProcessHits(G4Step*, G4TouchableHistory*)<
11303  0.02%  97.01%   0x00002b5ca3124b00 std::_Deque_base<G4QParton*, std::allocator<G4QParton*> >::_M_create_nod
11301  0.02%  97.02%   0x00002b5c9cad7af0 G4Region::ScanVolumeTree(G4LogicalVolume*, bool)</data4/wilrome/gauss/so
11090  0.02%  97.04%   0x00002b5ca3a942e0 RichG4CherenkovPhotProdTag(G4Track const&, G4Track*, double, double, dou
11033  0.02%  97.06%   0x00002b5ca3124ad0 std::_Deque_base<G4QParton*, std::allocator<G4QParton*> >::_M_destroy_no
10924  0.02%  97.07%   0x00002b5ca3124b90 std::_Deque_base<G4QParton*, std::allocator<G4QParton*> >::~_Deque_base(
10920  0.02%  97.09%   0x00002aaac02f2630 EHCalSensDet::timing(double, LHCb::CaloCellID const&, char&, std::vector
10915  0.02%  97.11%   0x00002b5ca30a61d0 G4QContent::GetCharge() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
10870  0.02%  97.13%   0x00002b5c986e04b0 TAxis::FindBin(double)</data4/wilrome/gauss/soft/lcg/external/root/5.14.
10860  0.02%  97.14%   0x0000003061243da0 __GI___printf_fp</lib64/tls/libc-2.3.4.so>
10659  0.02%  97.16%   0x00002b5c9c525300 G4LossTableBuilder::BuildRangeTable(G4PhysicsTable const*, G4PhysicsTabl
10625  0.02%  97.17%   0x00002b5ca2e48030 G4HadronCrossSections::GetElasticCrossSection(G4DynamicParticle const*,
10444  0.02%  97.19%   0x00002b5ca3b3c980 RichPhotInfo::RichPhotInfo()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
10434  0.02%  97.21%   0x00002b5c9bfdea90 G4NeutronBetaDecayChannel::DecayIt(double)</data4/wilrome/gauss/soft/lhc
10423  0.02%  97.22%   0x00002b5ca3b2be60 RichHpdPhotoElectricEffect::GetMeanFreePath(G4Track const&, double, G4Fo
10205  0.02%  97.24%   0x00002b5ca3b37300 RichHpdSiEnergyLoss::GetContinuousStepLimit(G4Track const&, double, doub
10203  0.02%  97.25%   0x00002b5c9cb09480 G4Trap::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
10175  0.02%  97.27%   0x00002b5ca245ad60 GaussTrajectory::~GaussTrajectory()</data4/wilrome/gauss/soft/lhcb/GAUSS
10174  0.02%  97.29%   0x00002b5c9ca4e640 G4EnclosingCylinder::ShouldMiss(CLHEP::Hep3Vector const&, CLHEP::Hep3Vec
10164  0.02%  97.30%   0x00002b5ca3adbe60 G4Material::GetName() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
10144  0.02%  97.32%   0x00002b5c9bd0bdd8 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4even
10101  0.02%  97.33%   0x00002b5ca245a630 GaussTrackInformation::operator delete(void*)</data4/wilrome/gauss/soft/
10095  0.02%  97.35%   0x00002b5c9761d2b0 std::_Rb_tree<std::string, std::pair<std::string const, int>, std::_Sele
10094  0.02%  97.36%   0x00002b5c9cb1c840 G4Tubs::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
 9866  0.02%  97.38%   0x00002b5c96dd7810 std::vector<double, std::allocator<double> >::_M_insert_aux(__gnu_cxx::_
 9821  0.02%  97.39%   0x00002b5c9c482620 G4Decay::PostStepGetPhysicalInteractionLength(G4Track const&, double, G4
 9805  0.02%  97.41%   0x00002b5c9cb4eb80 G4UnionSolid::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrom
 9795  0.02%  97.42%   0x00002b5c9c501b60 G4VMultipleScattering::AlongStepGetPhysicalInteractionLength(G4Track con
```

```
9669  0.01%  97.44%   0x00002aaac02ed230 __gnu_cxx::hashtable<std::pair<char const, double>, char, __gnu_cxx::has
9574  0.01%  97.45%   0x00002b5ca306c8e0 G4PhotoNuclearCrossSection::IsZAApplicable(G4DynamicParticle const*, dou
9369  0.01%  97.47%   0x00002b5ca3a8b6c0 virtual thunk to Rich1G4TrackActionUpstrPhoton::PreUserTrackingAction(G4
9359  0.01%  97.48%   0x00002b5c9ccdac30 G4MPVEntry::G4MPVEntry(double, double)</data4/wilrome/gauss/soft/lhcb/GE
9257  0.01%  97.50%   0x00002b5c9c9ff470 G4Box::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
9220  0.01%  97.51%   0x00002aaac02e4de0 __gnu_cxx::hashtable<std::pair<LHCb::CaloCellID const, CaloHit*>, LHCb::
9207  0.01%  97.53%   0x00002b5c9c87d980 G4VUserTrackInformation::G4VUserTrackInformation()</data4/wilrome/gauss/
9181  0.01%  97.54%   0x00002b5c9ca77aa0 G4IntersectingCone::HitOn(double, double)</data4/wilrome/gauss/soft/lhcb
9086  0.01%  97.55%   0x00002b5ca22c24f0 virtual thunk to GiGaTrackActionSequence::PostUserTrackingAction(G4Track
9043  0.01%  97.57%   0x00002b5ca2d51480 G4HadronElasticDataSet::IsApplicable(G4DynamicParticle const*, G4Element
8983  0.01%  97.58%   0x00002aaac02d5480 __gnu_cxx::hashtable<std::pair<int const, CaloSubHit*>, int, __gnu_cxx::
8889  0.01%  97.59%   0x00002b5ca3ad2ec0 RichG4OpBoundaryProcess::GetMeanFreePath(G4Track const&, double, G4Force
8812  0.01%  97.61%   0x00002b5c9bd46240 G4StackedTrack::G4StackedTrack(G4Track*, G4VTrajectory*)</data4/wilrome/
8799  0.01%  97.62%   0x00002b5ca245ac60 GaussTrajectory::GaussTrajectory(G4Track const*)</data4/wilrome/gauss/so
8668  0.01%  97.64%   0x00002b5c9ca78250 G4IntersectingCone::LineHitsCone(CLHEP::Hep3Vector const&, CLHEP::Hep3Ve
8648  0.01%  97.65%   0x00002b5c9dda74e0 _init</data4/wilrome/gauss/soft/lcg/external/XercesC/2.7.0/slc4_amd64_gc
8575  0.01%  97.66%   0x00002b5c9cb14710 G4Trd::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss
8485  0.01%  97.67%   0x00002b5c9ca3e230 G4DisplacedSolid::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/w
8327  0.01%  97.69%   0x00002b5c9ca7c430 G4LineSection::Distline(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector cons
8276  0.01%  97.70%   0x00002b5c9c877cb0 G4ParticleChangeForLoss::UpdateStepForPostStep(G4Step*)</data4/wilrome/g
8178  0.01%  97.71%   0x00002b5c9c501b50 G4VMultipleScattering::GetMeanFreePath(G4Track const&, double, G4ForceCo
8165  0.01%  97.73%   0x00002b5ca314f410 G4QNucleus::~G4QNucleus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
8109  0.01%  97.74%   0x00002b5c9c469670 G4BetheBlochModel::MaxSecondaryEnergy(G4ParticleDefinition const*, doubl
7896  0.01%  97.75%   0x00002b5c9cae8e50 G4Sphere::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/g
7739  0.01%  97.76%   0x00002b5c99fde940 UpdateManagerSvc::i_update(void*)</data4/wilrome/gauss/soft/lhcb/LHCB/LH
7643  0.01%  97.77%   0x00002b5c9bfe37f0 G4ParticleDefinition::operator==(G4ParticleDefinition const&) const</dat
7631  0.01%  97.79%   0x00002b5ca3ace120 RichG4MatRadIdentifier::RichG4MatRadIdentifierInstance()</data4/wilrome/
7567  0.01%  97.80%   0x00002b5c9c57da60 G4PEEffectModel::ElecCosThetaDistribution(double)</data4/wilrome/gauss/s
7539  0.01%  97.81%   0x00002b5ca224b1f0 virtual thunk to GaussPostTrackAction::PreUserTrackingAction(G4Track con
7465  0.01%  97.82%   0x00002b5c9ca3dcd0 G4DisplacedSolid::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/w
7358  0.01%  97.83%   0x00002b5ca3b38840 RichInfo::~RichInfo()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/S
7306  0.01%  97.84%   0x00002b5c9ca8ad40 G4Navigator::GetLocalExitNormal(bool*)</data4/wilrome/gauss/soft/lhcb/GE
7224  0.01%  97.85%   0x00002b5ca22c2500 virtual thunk to GiGaTrackActionSequence::PreUserTrackingAction(G4Track
7129  0.01%  97.87%   0x00002b5c9943e360 G__defined_tagname</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/
7108  0.01%  97.88%   0x0000003061f07c30 __pthread_mutex_lock_internal</lib64/tls/libpthread-2.3.4.so>
7057  0.01%  97.89%   0x00002b5ca319eb70 G4Quasmon::HadronizeQuasmon(G4QNucleus&, int)</data4/wilrome/gauss/soft/
7044  0.01%  97.90%   0x00002b5ca311c820 G4QHadron::SetQPDG(G4QPDGCode const&)</data4/wilrome/gauss/soft/lhcb/GEA
6999  0.01%  97.91%   0x00002aaac02f1480 __gnu_cxx::hashtable<std::pair<char const, double>, char, __gnu_cxx::has
6992  0.01%  97.92%   0x00002b5c9ca8f2f0 G4NormalNavigation::ComputeSafety(CLHEP::Hep3Vector const&, G4Navigation
6974  0.01%  97.93%   0x00002b5ca31d2cc0 G4ReactionDynamics::GenerateNBodyEvent(double, bool, G4FastVector<G4Reac
6972  0.01%  97.94%   0x00002b5c9c8773f0 G4ParticleChangeForGamma::UpdateStepForPostStep(G4Step*)</data4/wilrome/
6848  0.01%  97.95%   0x00002aaac02fcdd0 GetCaloHitsAlg::execute()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
6806  0.01%  97.96%   0x00002b5c9cb4f200 G4UnionSolid::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilro
6549  0.01%  97.97%   0x00002b5c9caa5190 G4Polycone::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/
6520  0.01%  97.98%   0x00002b5c9769e760 ParticlePropertySvc::anti(ParticleProperty const*) const</data4/wilrome/
```

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6480  0.01%  97.99%   0x00002b5c9a4f41f0 ROOT::Math::Transform3D::operator()(ROOT::Math::PositionVector3D<ROOT::M
6409  0.01%  98.00%   0x00002b5ca2e4f8d0 G4HadronicProcess::FillTotalResult(G4HadFinalState*, G4Track const&)</da
6345  0.01%  98.01%   0x00002b5ca2e572a0 G4HadronInelasticDataSet::IsApplicable(G4DynamicParticle const*, G4Eleme
6276  0.01%  98.02%   0x00002b5ca3b3e820 RichSensDet::ProcessHits(G4Step*, G4TouchableHistory*)</data4/wilrome/ga
6204  0.01%  98.03%   0x00002b5c9cb1a610 G4Tubs::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
6182  0.01%  98.04%   0x00002b5ca30ae120 G4QElasticCrossSection::GetCrossSection(bool, double, int, int, int)</da
6172  0.01%  98.05%   0x00002b5c9ca30870 G4Cons::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
6161  0.01%  98.06%   0x00002b5c9cb50370 G4VCSGfaceted::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilro
6154  0.01%  98.07%   0x00002b5c9cb50380 G4VCSGfaceted::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
6147  0.01%  98.08%   0x0000003063d924b0 std::basic_string<char, std::char_traits<char>, std::allocator<char> >::
6132  0.01%  98.09%   0x00002b5ca2271c60 virtual thunk to GaussTrackActionHepMC::PreUserTrackingAction(G4Track co
6007  0.01%  98.10%   0x00002b5ca30a5050 G4QContent::operator=(G4QContent const&)</data4/wilrome/gauss/soft/lhcb/
5929  0.01%  98.11%   0x00002b5c9c2a9350 G4TrackingManager::SetTrajectory(G4VTrajectory*)</data4/wilrome/gauss/so
5800  0.01%  98.12%   0x00002b5ca31d36f0 G4ReactionDynamics::NuclearReaction(G4FastVector<G4ReactionProduct, 4>&,
5765  0.01%  98.12%   0x00002b5c9ca7c1c0 G4LineSection::G4LineSection(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
5598  0.01%  98.13%   0x00002aaac02dd330 __gnu_cxx::__normal_iterator<G4LogicalVolume const* const*, std::vector<
5513  0.01%  98.14%   0x00002b5ca30a4f80 G4QContent::G4QContent(int, int, int, int, int, int)</data4/wilrome/gaus
5413  0.01%  98.15%   0x00002b5ca2e47d70 G4HadronCrossSections::GetFissionCrossSection(G4DynamicParticle const*,
5374  0.01%  98.16%   0x00002b5ca168fd8a std::less<int>::operator()(int const&, int const&) const</data4/wilrome/
5346  0.01%  98.17%   0x00002b5c9ca801d0 G4Mag_EqRhs::SetChargeMomentumMass(double, double, double)</data4/wilrom
5339  0.01%  98.17%   0x00002b5c9cb14130 G4Trd::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
5329  0.01%  98.18%   0x00002b5ca2db21a0 G4CrossSectionDataStore::SelectRandomIsotope(G4DynamicParticle const*, G
5278  0.01%  98.19%   0x00002b5ca31d8260 G4ReactionDynamics::TwoCluster(G4FastVector<G4ReactionProduct, 256>&, in
5245  0.01%  98.20%   0x0000003061271c60 __GI_memset</lib64/tls/libc-2.3.4.so>
5143  0.01%  98.21%   0x00002b5ca31ddc60 G4ReactionDynamics::GenerateXandPt(G4FastVector<G4ReactionProduct, 256>&
5107  0.01%  98.21%   0x0000003061237f0 __GI_vfprintf</lib64/tls/libc-2.3.4.so>
5031  0.01%  98.22%   0x00002b5c9ef359a0 std::_Rb_tree<int, std::pair<int const, int>, std::_Select1st<std::pair<
5024  0.01%  98.23%   0x00002b5ca169b4f6 std::_Rb_tree<int, std::pair<int const, int>, std::_Select1st<std::pair<
4997  0.01%  98.24%   0x00002b5ca2e53120 G4HadronicProcess::GeneralPostStepDoIt(G4Track const&, G4Step const&)</d
4985  0.01%  98.25%   0x00002b5c9bfdff00 G4Neutron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
4950  0.01%  98.25%   0x00002b5c9759ff50 std::vector<double, std::allocator<double> >::erase(__gnu_cxx::__normal_
4933  0.01%  98.26%   0x0000003061514a0 csloww1</lib64/tls/libm-2.3.4.so>
4916  0.01%  98.27%   0x00002b5ca2e43ef0 G4HadProjectile::G4HadProjectile(G4Track const&)</data4/wilrome/gauss/so
4853  0.01%  98.28%   0x00002b5c9ca7e980 G4LogicalVolume::SetFieldManager(G4FieldManager*, bool)</data4/wilrome/g
4823  0.01%  98.28%   0x00002b5c97ac4740 TBuffer::SetByteCount(unsigned int, bool)</data4/wilrome/gauss/soft/lcg/
4792  0.01%  98.29%   0x00002b5c9c1661d0 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4glob
4789  0.01%  98.30%   0x00002b5c9cb4eb10 G4UnionSolid::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector c
4740  0.01%  98.31%   0x00002b5c9caef000 G4SubtractionSolid::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4
4629  0.01%  98.31%   0x00002b5c98736920 TH1D::GetBinContent(int) const</data4/wilrome/gauss/soft/lcg/external/ro
4625  0.01%  98.32%   0x0000003061272410 _wordcopy_fwd_aligned</lib64/tls/libc-2.3.4.so>
4615  0.01%  98.33%   0x00002b5ca1631df8 _init</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64_gc
4591  0.01%  98.33%   0x00002b5ca2e49470 G4HadronElastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</data
4583  0.01%  98.34%   0x00002b5ca30aea20 G4QElasticCrossSection::CalculateCrossSection(bool, int, int, int, int,
4488  0.01%  98.35%   0x0000003063d90970 std::string::_M_mutate(unsigned long, unsigned long, unsigned long)</usr
```

```
4476  0.01%  98.35%   0x0000003061f08010 __pthread_mutex_unlock_internal</lib64/tls/libpthread-2.3.4.so>
4406  0.01%  98.36%   0x00002b5c9bd46270 G4StackedTrack::~G4StackedTrack()</data4/wilrome/gauss/soft/lhcb/GEANT4/
4405  0.01%  98.37%   0x00002b5ca3b1bf20 virtual thunk to RichG4TrackActionPhotOpt::PreUserTrackingAction(G4Track
4398  0.01%  98.37%   0x00002b5c9a4f3df0 ROOT::Math::Transform3D::GetDecomposition(ROOT::Math::Rotation3D&, ROOT:
4376  0.01%  98.38%   0x00002b5ca316d770 G4QPDGCode::QHaM(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
4358  0.01%  98.39%   0x00002b5ca224b5d0 __gnu_cxx::__normal_iterator<std::string*, std::vector<std::string, std:
4333  0.01%  98.39%   0x00002b5ca31d5b50 G4ReactionDynamics::Rotate(double, CLHEP::Hep3Vector const&, G4ReactionP
4322  0.01%  98.40%   0x0000003061514f40 csloww</lib64/tls/libm-2.3.4.so>
4304  0.01%  98.41%   0x00002aaac02dd940 __gnu_cxx::_Hashtable_const_iterator<std::pair<char const, double>, char
4242  0.01%  98.41%   0x00002b5ca31e61e0 G4ReactionProduct::G4ReactionProduct()</data4/wilrome/gauss/soft/lhcb/GE
4241  0.01%  98.42%   0x00002b5c97a94190 _init</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64_gc
4209  0.01%  98.43%   0x00002b5c9cb05240 G4TouchableHistory::GetHistory() const</data4/wilrome/gauss/soft/lhcb/GE
4195  0.01%  98.43%   0x00002b5c9b8deaa0 _init</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/GiGa/v19r1/sl
4182  0.01%  98.44%   0x00002b5c97b926a0 TClass::WriteBuffer(TBuffer&, void*, char const*)</data4/wilrome/gauss/s
4179  0.01%  98.45%   0x0000003061270440 __GI_strcmp</lib64/tls/libc-2.3.4.so>
4162  0.01%  98.45%   0x00002b5ca30920d0 G4QCandidate::G4QCandidate(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
4118  0.01%  98.46%   0x00002b5c9cfa2ba0 CLHEP::HepRotation::rotate(double, CLHEP::Hep3Vector const&)</data4/wilr
4100  0.01%  98.47%   0x00002b5ca3148960 G4QNucleus::SetZNSQC(int, int, int)</data4/wilrome/gauss/soft/lhcb/GEANT
4075  0.01%  98.47%   0x00002b5ca2dc0590 G4E1Probability::EmissionProbDensity(G4Fragment const&, double)</data4/w
4058  0.01%  98.48%   0x00002b5c97599be0 Gaudi::Axis::coordToIndex(double) const</data4/wilrome/gauss/soft/lhcb/G
4035  0.01%  98.48%   0x00002b5c9c527c30 G4LossTableManager::Instance()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
3961  0.01%  98.49%   0x0000003061541bf0 __dubcos</lib64/tls/libm-2.3.4.so>
3959  0.01%  98.50%   0x00002b5c97c25e80 pqdownheap</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
3953  0.01%  98.50%   0x00002b5c9e16cb10 CondDBEntityResolverSvc::resolveEntity(unsigned short const*, unsigned s
3948  0.01%  98.51%   0x00002b5c9de77f54 xercesc_2_7::ReaderMgr::getNextChar()</data4/wilrome/gauss/soft/lcg/exte
3927  0.01%  98.52%   0x00002b5c9ef35b40 std::_Rb_tree<int, std::pair<int const, HepMC::GenParticle*>, std::_Sele
3910  0.01%  98.52%   0x0000003063d90420 std::basic_string<char, std::char_traits<char>, std::allocator<char> >::
3909  0.01%  98.53%   0x00002b5c9ca85320 G4Mag_UsualEqRhs::SetChargeMomentumMass(double, double, double)</data4/w
3882  0.01%  98.53%   0x00002b5c9ef35ce0 std::_Rb_tree<int, std::pair<int const, HepMC::GenVertex*>, std::_Select
3877  0.01%  98.54%   0x0000003061235210 __GI_____strtod_l_internal</lib64/tls/libc-2.3.4.so>
3858  0.01%  98.55%   0x00002b5ca30a55c0 operator+(G4QContent const&, G4QContent const&)</data4/wilrome/gauss/sof
3797  0.01%  98.55%   0x00002b5c97ac9040 TBuffer::operator<<(unsigned int)</data4/wilrome/gauss/soft/lcg/external
3734  0.01%  98.56%   0x00002b5c97c1e920 adler32</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64_
3732  0.01%  98.56%   0x00002b5c975a0700 Gaudi::Generic1D<AIDA::IHistogram1D, TH1D>::coordToIndex(double) const</
3731  0.01%  98.57%   0x00002b5c9de05608 xercesc_2_7::DOMElementImpl::getNodeType() const</data4/wilrome/gauss/so
3696  0.01%  98.57%   0x00002b5c9bfce3e0 G4Gamma::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
3688  0.01%  98.58%   0x00002b5c9c4eeeb0 G4hIonisation::CorrectionsAlongStep(G4MaterialCutsCouple const*, G4Dynam
3651  0.01%  98.59%   0x00002aaac02ed390 __gnu_cxx::_Hashtable_node<std::pair<char const, double> >** std::fill_n
3620  0.01%  98.59%   0x00002b5ca2e4d150 G4HadronFissionDataSet::GetCrossSection(G4DynamicParticle const*, G4Elem
3616  0.01%  98.60%   0x00002aaac0045de0 G4HepMCToMCTruth::convert(HepMC::GenParticle*, LHCb::MCVertex*)</data4/w
3563  0.01%  98.60%   0x00002b5c99449930 G__defined_typename</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
3559  0.01%  98.61%   0xffffffff8127faac do_page_fault<kernel>
3526  0.01%  98.61%   0x00002b5ca31e6a30 G4ReactionProduct::Lorentz(G4ReactionProduct const&, G4ReactionProduct c
3513  0.01%  98.62%   0x00002b5ca30a4f70 G4QContent::~G4QContent()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
3506  0.01%  98.62%   0x00002aaac02e3280 std::vector<G4VPhysicalVolume const*, std::allocator<G4VPhysicalVolume c
```

```
3460  0.01%  98.63%   0x00002b5ca16a9532 std::_Rb_tree<int, std::pair<int const, int>, std::_Select1st<std::pair<
3390  0.01%  98.63%   0x000000306151a140 __floor</lib64/tls/libm-2.3.4.so>
3383  0.01%  98.64%   0x0000003063d5c3b0 std::_Rb_tree_insert_and_rebalance(bool, std::_Rb_tree_node_base*, std::
3362  0.01%  98.64%   0x00002aaac02d41e0 CaloHit::~CaloHit()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim
3340  0.01%  98.65%   0x00002b5c97b6a230 TExMap::GetValue(unsigned long, long, unsigned int&)</data4/wilrome/gaus
3337  0.01%  98.65%   0x00002b5c9de31714 xercesc_2_7::DTDScanner::scanComment()</data4/wilrome/gauss/soft/lcg/ext
3294  0.01%  98.66%   0x00002b5c9de4ea60 xercesc_2_7::IGXMLScanner::scanCharData(xercesc_2_7::XMLBuffer&)</data4/
3291  0.01%  98.67%   0x00002b5c9cb4ea40 G4UnionSolid::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilro
3251  0.01%  98.67%   0xffffffff8103b8d9 __do_softirq<kernel>
3250  0.01%  98.68%   0x00002aaac02d51b0 __gnu_cxx::hashtable<std::pair<int const, CaloSubHit*>, int, __gnu_cxx::
3245  0.00%  98.68%   0x00002b5c97af7b50 TMath::Hash(void const*, int)</data4/wilrome/gauss/soft/lcg/external/roo
3229  0.00%  98.69%   0x00002b5c9cb500e0 G4VCSGfaceted::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilr
3168  0.00%  98.69%   0x00002b5c9bfb0710 G4DynamicParticle::Set4Momentum(CLHEP::HepLorentzVector const&)</data4/w
3117  0.00%  98.69%   0x00002b5c9c469aa0 G4BetheHeitlerModel::ComputeCrossSectionPerAtom(G4ParticleDefinition con
3078  0.00%  98.70%   0x00002b5c9de05690 xercesc_2_7::DOMElementImpl::getTagName() const</data4/wilrome/gauss/sof
3066  0.00%  98.70%   0x00002b5c9cb08290 G4Trap::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
3049  0.00%  98.71%   0x00002b5ca30a5640 operator-(G4QContent const&, G4QContent const&)</data4/wilrome/gauss/sof
3013  0.00%  98.71%   0x00002aaac0189d50 GiGaSensDetTracker::ProcessHits(G4Step*, G4TouchableHistory*)</data4/wil
2999  0.00%  98.72%   0x00002b5c97babf50 TStreamerInfo::TagFile(TFile*)</data4/wilrome/gauss/soft/lcg/external/ro
2970  0.00%  98.72%   0x00002b5c9c8759d8 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4trac
2970  0.00%  98.73%   0x00002b5c9a2a3980 GaudiHistos<GaudiAlgorithm>::plot1D(double, GaudiAlg::ID const&, std::st
2955  0.00%  98.73%   0x00002b5c99092870 CLHEP::RanluxEngine::flatArray(int, double*)</data4/wilrome/gauss/soft/l
2951  0.00%  98.74%   0x0000003063900000 UNKNOWN</lib64/libgcc_s-3.4.6-20060404.so.1>
2942  0.00%  98.74%   0x0000003063d5c1f0 std::_Rb_tree_increment(std::_Rb_tree_node_base*)</usr/lib64/libstdc++.s
2921  0.00%  98.75%   0x00002b5c9de4dfc0 xercesc_2_7::IGXMLScanner::scanAttValue(xercesc_2_7::XMLAttDef const*, u
2919  0.00%  98.75%   0x00002b5ca2e529e0 G4HadronicProcess::DoIsotopeCounting(G4HadFinalState*, G4Track const&, G
2906  0.00%  98.75%   0x00002b5ca2959078 _init</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/G4phys
2884  0.00%  98.76%   0x00002b5c99323b48 _init</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64_gc
2874  0.00%  98.76%   0x00002b5ca30e9f20 G4QEnvironment::FSInteraction()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
2867  0.00%  98.77%   0x00002b5c97b92b50 TClass::Streamer(void*, TBuffer&)</data4/wilrome/gauss/soft/lcg/external
2858  0.00%  98.77%   0x00002b5c9bfb0610 G4DynamicParticle::SetMomentum(CLHEP::Hep3Vector const&)</data4/wilrome/
2846  0.00%  98.78%   0x00002b5c9a90df10 PoolDbIOHandler<SmartRefBase>::onWriteUpdate(void*)</data4/wilrome/gauss
2777  0.00%  98.78%   0x00002b5ca31dc250 G4ReactionDynamics::TwoBody(G4FastVector<G4ReactionProduct, 256>&, int&,
2776  0.00%  98.79%   0x00002b5c97599fe0 Gaudi::Generic1D<AIDA::IHistogram1D, TH1D>::binHeight(int) const</data4/
2769  0.00%  98.79%   0x00002b5c9cf95430 CLHEP::HepLorentzVector::boost(double, double, double)</data4/wilrome/ga
2756  0.00%  98.79%   0x0000003063d55790 std::locale::locale()</usr/lib64/libstdc++.so.6.0.3>
2727  0.00%  98.80%   0x00002b5ca2e486e0 G4HadronElastic::Rtmi(double*, double, double, double, int, double, doub
2726  0.00%  98.80%   0x00002aaac02d2940 _init</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/GaussCalo/v9r
2699  0.00%  98.81%   0x00002b5ca31d03f0 G4ReactionDynamics::AddBlackTrackParticles(double, int, double, int, dou
2692  0.00%  98.81%   0x00002b5ca2e52310 G4HadronicProcess::ExtractResidualNucleus(G4Track const&, G4Nucleus cons
2677  0.00%  98.81%   0x00002b5c9e292530 cool::RecordSpecification::exists(std::string const&) const</data4/wilro
2651  0.00%  98.82%   0x00002b5ca2e4d110 G4HadronFissionDataSet::IsApplicable(G4DynamicParticle const*, G4Element
2627  0.00%  98.82%   0x00002b5ca3adbe90 RichG4OpRayleigh::PostStepDoIt(G4Track const&, G4Step const&)</data4/wil
2626  0.00%  98.83%   0x00002b5ca1690622 std::_Rb_tree_iterator<std::pair<int const, int> >::operator==(std::_Rb_
```

```
# results for [27703<-[27641] tid: 27703]
(/data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/Gauss/v30r5/slc4_amd64_gcc34/Gauss.exe
/data4/wilrome/gauss/run/pool_0000/bench.opts)
# total samples          : 64913963
# total buffer overflows : 31696
#
#                  event00

counts   %self %cum                                                code addr symbol
   3734  0.01% 98.56%   0x00002b5c97c1e920   adler32</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64_
      1  0.00% 100.00%  0x00002b5c97500ce0   AlgContextSvc::handle(Incident const&)</data4/wilrome/gauss/soft/lhcb/GA
      2  0.00% 100.00%  0x00002b5c97501c50   AlgContextSvc::setCurrentAlg(IAlgorithm*)</data4/wilrome/gauss/soft/lhcb
     13  0.00% 99.97%   0x00002b5c97501610   AlgContextSvc::unSetCurrentAlg(IAlgorithm*)</data4/wilrome/gauss/soft/lh
      7  0.00% 99.99%   0x00002b5c96cebfb0   Algorithm::addRef()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/Gau
     29  0.00% 99.95%   0x00002b5c96ceec00   Algorithm::auditorSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI
      3  0.00% 100.00%  0x00002b5c96cee8e0   Algorithm::chronoSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
      2  0.00% 100.00%  0x00002b5c96cee5c0   Algorithm::detSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
     27  0.00% 99.95%   0x00002b5c96cedf80   Algorithm::eventSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v
      1  0.00% 100.00%  0x00002b5c96cebf80   Algorithm::filterPassed() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
     20  0.00% 99.96%   0x00002b5c96cebf70   Algorithm::isEnabled() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
      3  0.00% 100.00%  0x00002b5c96cebf40   Algorithm::isExecuted() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI
      2  0.00% 100.00%  0x00002b5c96cec5d0   Algorithm::msgSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
      3  0.00% 100.00%  0x00002b5c96cebf20   Algorithm::name() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5
      1  0.00% 100.00%  0x00002b5c96cebff0   Algorithm::queryInterface(InterfaceID const&, void**)</data4/wilrome/gau
      3  0.00% 100.00%  0x00002b5c96cebfc0   Algorithm::release()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/Ga
     18  0.00% 99.97%   0x00002b5c96cebf60   Algorithm::resetExecuted()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v1
      2  0.00% 100.00%  0x00002b5c96cebe70   Algorithm::serviceLocator() const</data4/wilrome/gauss/soft/lhcb/GAUDI/G
     11  0.00% 99.98%   0x00002b5c96cebf50   Algorithm::setExecuted(bool)</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
      5  0.00% 99.99%   0x00002b5c96cebf90   Algorithm::setFilterPassed(bool)</data4/wilrome/gauss/soft/lhcb/GAUDI/GA
      1  0.00% 100.00%  0x00002b5c96cec260   Algorithm::setProperties()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v1
     42  0.00% 99.93%   0x00002b5c96cefa40   Algorithm::sysExecute()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5
      2  0.00% 100.00%  0x00002b5c96cf4540   Algorithm::sysInitialize()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v1
      2  0.00% 100.00%  0x00002b5c975061c0   AlgorithmManager::createAlgorithm(std::string const&, std::string const&
      9  0.00% 99.98%   0x00002b5c975059f0   AlgorithmManager::getAlgorithm(std::string const&, IAlgorithm*&) const</
      1  0.00% 100.00%  0x00002b5c97505840   AlgorithmManager::getAlgorithms() const</data4/wilrome/gauss/soft/lhcb/G
      1  0.00% 100.00%  0x00002b5c97505770   AlgorithmManager::queryInterface(InterfaceID const&, void**)</data4/wilr
      1  0.00% 100.00%  0x00002b5c97505740   AlgorithmManager::release()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v
     55  0.00% 99.92%   0x00002b5c96cfd720   AlgTool::msgSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5
    180  0.00% 99.82%   0x00002b5c96cfd6f0   AlgTool::name() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/G
      1  0.00% 100.00%  0x00002b5c96cfd860   AlgTool::queryInterface(InterfaceID const&, void**)</data4/wilrome/gauss
```

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    1  0.00%  100.00%  0x00002b5c96cfd6a0   AlgTool::serviceLocator() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
    1  0.00%  100.00%  0x00002b5c96cff340   AlgTool::setProperties()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
    1  0.00%  100.00%  0x00002b5c96cfe860   AlgTool::sysInitialize()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
    1  0.00%  100.00%  0x00002b5c9a15c770   AlignmentCondition::~AlignmentCondition()</data4/wilrome/gauss/soft/lhcb
    7  0.00%  99.99%   0x00002b5c9a15cd30   AlignmentCondition::AlignmentCondition()</data4/wilrome/gauss/soft/lhcb/
    3  0.00%  99.99%   0x00002b5c9a15eb00   AlignmentCondition::clID() const</data4/wilrome/gauss/soft/lhcb/LHCB/LHC
    3  0.00%  99.99%   0x00002b5c9a15d8d0   AlignmentCondition::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHC
   24  0.00%  99.96%   0x00002b5c9a15d050   AlignmentCondition::makeMatrices()</data4/wilrome/gauss/soft/lhcb/LHCB/L
    5  0.00%  99.99%   0x00002b5c9a15c760   AlignmentCondition::msgSvc() const</data4/wilrome/gauss/soft/lhcb/LHCB/L
    4  0.00%  99.99%   0x00002b5ca4fa7720   allocateCursor</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_
    5  0.00%  99.99%   0x00002b5ca4f78980   allocateSpace</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_a
    1  0.00%  100.00%  0x00002b5ca4f92be0   allocateUnixFile</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc
    1  0.00%  100.00%  0x00002b5ca4f8b640   analyzeAggregate</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc
    1  0.00%  100.00%  0x00002b5c97515d30   ApplicationMgr::ApplicationMgr(IInterface*)</data4/wilrome/gauss/soft/lh
    1  0.00%  100.00%  0x00002b5c9750c490   ApplicationMgr::i_startup()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v
    4  0.00%  99.99%   0x00002b5c97508360   ApplicationMgr::queryInterface(InterfaceID const&, void**)</data4/wilrom
    1  0.00%  100.00%  0x00002b5c97509200   ApplicationMgr::state() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI
    1  0.00%  100.00%  0x00002b5c97508aa0   ApplicationMgr::terminate()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v
    9  0.00%  99.98%   0x00002b5ca4fa7810   applyAffinity</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_a
    4  0.00%  99.99%   0x00002b5ca4fa7790   applyNumericAffinity</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0
   29  0.00%  99.95%   0x00002b5ca4f7cc30   assemblePage</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_am
 1038  0.00%  99.33%   0x0000003061516620   atan</lib64/tls/libm-2.3.4.so>
   11  0.00%  99.98%   0x00002b5c96d04b30   Auditor::isEnabled() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v1
    2  0.00%  100.00%  0x00002b5c96d049b0   Auditor::sysAfterExecute(INamedInterface*, StatusCode const&)</data4/wil
    1  0.00%  100.00%  0x00002b5c96d04980   Auditor::sysBeforeExecute(INamedInterface*)</data4/wilrome/gauss/soft/lh
   22  0.00%  99.96%   0x00002b5c9752add0   AuditorSvc::afterExecute(INamedInterface*, StatusCode const&)</data4/wil
    1  0.00%  100.00%  0x00002b5c9752b0d0   AuditorSvc::afterInitialize(INamedInterface*)</data4/wilrome/gauss/soft/
   10  0.00%  99.98%   0x00002b5c9752ae90   AuditorSvc::beforeExecute(INamedInterface*)</data4/wilrome/gauss/soft/lh
   22  0.00%  99.96%   0x00002b5ca4f7d160   balance_nonroot</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4
    3  0.00%  99.99%   0x00002b5ca4f7cd40   balance</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_g
   65  0.00%  99.91%   0x00002b5ca4f9c0f0   base_vprintf</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_am
   19  0.00%  99.96%   0x00002aaaab2cb0b0   BeamSpotSmearVertex::smearVertex(LHCb::HepMCEvent*)</data4/wilrome/gauss
    8  0.00%  99.99%   0x00002aaaaba69fe0   begevtgengetx_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtG
   80  0.00%  99.90%   0x00002aaaaba6a0c0   begevtgenstorex_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Ev
    3  0.00%  99.99%   0x00002b5c97c271f0   bi_windup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd6
   57  0.00%  99.92%   0x00002b5ca4f90b00   binCollFunc</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
    5  0.00%  99.99%   0x00002b5ca4fad810   bindText</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_
    1  0.00%  100.00%  0x00002b5ca4f8dc90   binHash</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_g
    4  0.00%  99.99%   0x00002b5c96e6dd70   bool boost::io::detail::parse_printf_directive<char, std::char_traits<ch
    3  0.00%  99.99%   0x00002b5c9e28d410   bool const& coral::Attribute::data<bool>() const</data4/wilrome/gauss/so
    2  0.00%  100.00%  0x00002b5c96d12730   bool ROOT::Reflex::PluginService::CompareId<ConverterID>(ROOT::Reflex::A
    2  0.00%  100.00%  0x00002b5c976be060   bool ROOT::Reflex::PluginService::CompareId<InterfaceID>(ROOT::Reflex::A
  636  0.00%  99.52%   0x00002b5c9a1ac8b0   bool SolidBox::isInsideImpl<ROOT::Math::PositionVector3D<ROOT::Math::Car
  500  0.00%  99.61%   0x00002b5c9a1b2420   bool SolidChild::isInsideImpl<ROOT::Math::PositionVector3D<ROOT::Math::C
```

```
246  0.00%  99.77%   0x00002b5c9a1c2c60   bool SolidPolycone::isInsideImpl<ROOT::Math::PositionVector3D<ROOT::Math
590  0.00%  99.55%   0x00002b5c9a1d7450   bool SolidSubtraction::isInsideImpl<ROOT::Math::PositionVector3D<ROOT::M
  1  0.00%  100.00%  0x00002b5c9a1dfc70   bool SolidTubs::isInsideImpl<ROOT::Math::PositionVector3D<ROOT::Math::Ca
  3  0.00%  99.99%   0x00002b5c98dcde00   bool std::lexicographical_compare<signed char const*, signed char const*
  3  0.00%  100.00%  0x00002aaac1442260   boost::assign_detail::generic_list<double> boost::assign::list_of<double
 13  0.00%  99.98%   0x00002b5c96e745a0   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  7  0.00%  99.99%   0x00002b5ca4048410   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  6  0.00%  99.99%   0x00002b5c96e73600   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  5  0.00%  99.99%   0x00002b5ca4047750   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  4  0.00%  99.99%   0x00002b5c96e74f00   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  3  0.00%  100.00%  0x00002b5c96e6fa60   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  2  0.00%  100.00%  0x00002b5c96e6eb50   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  2  0.00%  100.00%  0x00002b5c96e6eac0   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  2  0.00%  100.00%  0x00002b5c96e6d820   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  1  0.00%  100.00%  0x00002b5c96e72430   boost::basic_format<char, std::char_traits<char>, std::allocator<char> >
  3  0.00%  99.99%   0x00002b5c98e09bc0   boost::basic_regex<char, boost::regex_traits<char, boost::cpp_regex_trai
 25  0.00%  99.96%   0x00002b5c96d76a90   boost::detail::enable_if_interoperable<boost::spirit::position_iterator<
  1  0.00%  100.00%  0x00002b5c96d9f050   boost::detail::shared_count::~shared_count()</data4/wilrome/gauss/soft/l
 12  0.00%  99.98%   0x00002b5c96d762a0   boost::detail::sp_counted_base::destroy()</data4/wilrome/gauss/soft/lhcb
  3  0.00%  99.99%   0x00002b5c98dfbbc0   boost::detail::sp_counted_impl_p<boost::regex_traits_wrapper<boost::rege
  2  0.00%  100.00%  0x00002b5c9e637230   boost::detail::sp_counted_impl_p<cool::Record>::dispose()</data4/wilrome
  4  0.00%  99.99%   0x00002b5c9e640280   boost::detail::sp_counted_impl_p<cool::RecordSpecification>::dispose()</
  1  0.00%  100.00%  0x00002b5ca470ec60   boost::detail::sp_counted_impl_p<cool::RelationalFolder>::dispose()</dat
  1  0.00%  100.00%  0x00002b5ca4718e30   boost::detail::sp_counted_impl_p<coral::AttributeList>::~sp_counted_impl
  4  0.00%  99.99%   0x00002b5ca4718f90   boost::detail::sp_counted_impl_p<coral::AttributeList>::dispose()</data4
  1  0.00%  100.00%  0x00002b5c96e752f0   boost::detail::sp_counted_impl_pd<boost::io::basic_altstringbuf<char, st
 13  0.00%  99.98%   0x00002b5c96d76310   boost::detail::sp_enable_shared_from_this(boost::detail::shared_count co
  1  0.00%  100.00%  0x00002aaaab318c20   boost::details::pool::singleton_default<boost::singleton_pool<LHCb::GenC
  3  0.00%  100.00%  0x00002aaaab318cc0   boost::details::pool::singleton_default<boost::singleton_pool<LHCb::HepM
 16  0.00%  99.97%   0x00002aaac004d670   boost::details::pool::singleton_default<boost::singleton_pool<LHCb::MCPa
 30  0.00%  99.95%   0x00002b5ca3a59dd0   boost::details::pool::singleton_default<boost::singleton_pool<LHCb::MCRi
 14  0.00%  99.97%   0x00002aaac004d710   boost::details::pool::singleton_default<boost::singleton_pool<LHCb::MCVe
  2  0.00%  100.00%  0x00002b5c9725e480   boost::filesystem::path::m_path_append(std::string const&, bool (*)(std:
  2  0.00%  100.00%  0x00002b5c96e75520   boost::io::basic_altstringbuf<char, std::char_traits<char>, std::allocat
  2  0.00%  100.00%  0x00002b5c96e6fd90   boost::io::basic_altstringbuf<char, std::char_traits<char>, std::allocat
  2  0.00%  100.00%  0x00002b5c96e6f9b0   boost::io::basic_altstringbuf<char, std::char_traits<char>, std::allocat
  7  0.00%  99.99%   0x00002b5c96e70160   boost::io::basic_oaltstringstream<char, std::char_traits<char>, std::all
  3  0.00%  100.00%  0x00002b5c96e6fe80   boost::io::detail::format_item<char, std::char_traits<char>, std::alloca
  1  0.00%  100.00%  0x00002b5c96e6fb00   boost::io::detail::stream_format_state<char, std::char_traits<char> >::a
  4  0.00%  99.99%   0x00002b5c96d8d990   boost::iterator_facade<boost::spirit::position_iterator<__gnu_cxx::__nor
  1  0.00%  100.00%  0x00002b5c98f42f90   boost::mutex::~mutex()</data4/wilrome/gauss/soft/lcg/external/Boost/1.33
536  0.00%  99.59%   0x00002b5c98f42fa0   boost::mutex::do_lock()</data4/wilrome/gauss/soft/lcg/external/Boost/1.3
516  0.00%  99.60%   0x00002b5c98f43010   boost::mutex::do_unlock()</data4/wilrome/gauss/soft/lcg/external/Boost/1
 13  0.00%  99.97%   0x00002b5c98f42f10   boost::mutex::mutex()</data4/wilrome/gauss/soft/lcg/external/Boost/1.33.
521  0.00%  99.60%   0x00002b5ca224bc20   boost::pool<boost::default_user_allocator_new_delete>::find_POD(void*) c
```

```
 37  0.00%  99.94%   0x00002b5c98e04370   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
 22  0.00%  99.96%   0x00002b5c98df6730   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  8  0.00%  99.98%   0x00002b5c98de9a90   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  5  0.00%  99.99%   0x00002b5c98e03550   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  2  0.00%  100.00%  0x00002b5c98e09580   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  2  0.00%  100.00%  0x00002b5c98e03410   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  1  0.00%  100.00%  0x00002b5c98e03380   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  1  0.00%  100.00%  0x00002b5c98e02a00   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  1  0.00%  100.00%  0x00002b5c98de9e00   boost::re_detail::basic_regex_creator<char, boost::regex_traits<char, bo
  6  0.00%  99.99%   0x00002b5c98df3760   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  4  0.00%  99.99%   0x00002b5c98dfae30   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  3  0.00%  99.99%   0x00002b5c98dfb770   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  3  0.00%  99.99%   0x00002b5c98dfa5f0   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  3  0.00%  99.99%   0x00002b5c98df30c0   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  3  0.00%  99.99%   0x00002b5c98df29b0   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  2  0.00%  100.00%  0x00002b5c98ddbae0   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  1  0.00%  100.00%  0x00002b5c98e09a90   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  1  0.00%  100.00%  0x00002b5c98df9260   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  1  0.00%  100.00%  0x00002b5c98df8520   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  1  0.00%  100.00%  0x00002b5c98df2bb0   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  1  0.00%  100.00%  0x00002b5c98df21a0   boost::re_detail::basic_regex_parser<char, boost::regex_traits<char, boo
  2  0.00%  100.00%  0x00002b5c98dcdea0   boost::re_detail::character_pointer_range<char> const* std::lower_bound<
  4  0.00%  99.99%   0x00002b5c98e02910   boost::re_detail::cpp_regex_traits_implementation<char>::lookup_classnam
  2  0.00%  100.00%  0x00002b5c98e02190   boost::re_detail::perl_matcher<__gnu_cxx::__normal_iterator<char const*,
  2  0.00%  100.00%  0x00002b5c98dea820   boost::re_detail::perl_matcher<__gnu_cxx::__normal_iterator<char const*,
  1  0.00%  100.00%  0x00002b5c98dea3d0   boost::re_detail::perl_matcher<__gnu_cxx::__normal_iterator<char const*,
  1  0.00%  100.00%  0x00002b5c98dea290   boost::re_detail::perl_matcher<__gnu_cxx::__normal_iterator<char const*,
  1  0.00%  100.00%  0x00002b5c98e0b670   boost::re_detail::raw_storage::insert(unsigned long, unsigned long)</dat
  1  0.00%  100.00%  0x00002b5c98e0b130   boost::re_detail::verify_options(unsigned int, boost::regex_constants::_
  1  0.00%  100.00%  0x00002b5c96d9fa50   boost::scoped_ptr<boost::spirit::impl::abstract_parser<boost::spirit::sc
  1  0.00%  100.00%  0x00002b5c98e0b9d0   boost::scoped_static_mutex_lock::unlock()</data4/wilrome/gauss/soft/lcg/
 58  0.00%  99.92%   0x00002b5c96d7a130   boost::shared_ptr<boost::spirit::impl::grammar_helper<boost::spirit::gra
  4  0.00%  99.99%   0x00002b5c976691d0   boost::shared_ptr<boost::spirit::impl::grammar_helper<boost::spirit::gra
  4  0.00%  99.99%   0x00002b5c96da9ec0   boost::shared_ptr<boost::spirit::impl::grammar_helper<boost::spirit::gra
  2  0.00%  100.00%  0x00002b5c96da9fe0   boost::shared_ptr<boost::spirit::impl::grammar_helper<boost::spirit::gra
  2  0.00%  100.00%  0x00002b5c96d78bd0   boost::shared_ptr<boost::spirit::impl::grammar_helper<boost::spirit::gra
  1  0.00%  100.00%  0x00002b5c97667f50   boost::shared_ptr<boost::spirit::impl::grammar_helper<boost::spirit::gra
  9  0.00%  99.98%   0x00002b5ca3a58870   boost::simple_segregated_storage<unsigned long>::segregate(void*, unsign
  1  0.00%  100.00%  0x00002b5c9765ce20   boost::spirit::grammar<Gaudi::Parsers::PropertyGrammar, boost::spirit::c
  1  0.00%  100.00%  0x00002b5c9765df30   boost::spirit::grammar<Gaudi::Parsers::StringGrammar, boost::spirit::clo
  1  0.00%  100.00%  0x00002b5c9765c4f0   boost::spirit::grammar<Gaudi::Parsers::ValueGrammar, boost::spirit::clos
  4  0.00%  99.99%   0x00002b5c9768a1d0   boost::spirit::impl::concrete_parser<boost::spirit::action<boost::spirit
  4  0.00%  99.99%   0x00002b5c976861d0   boost::spirit::impl::concrete_parser<boost::spirit::action<boost::spirit
  1  0.00%  100.00%  0x00002b5c96d9ced0   boost::spirit::impl::concrete_parser<boost::spirit::action<boost::spirit
```

```
 43  0.00%  99.93%   0x00002b5c96d9afb0   boost::spirit::impl::concrete_parser<boost::spirit::alternative<boost::s
  4  0.00%  99.99%   0x00002b5c97688140   boost::spirit::impl::concrete_parser<boost::spirit::alternative<boost::s
  3  0.00%  100.00%  0x00002b5c96dfa220   boost::spirit::impl::concrete_parser<boost::spirit::alternative<boost::s
  2  0.00%  100.00%  0x00002b5c97680130   boost::spirit::impl::concrete_parser<boost::spirit::alternative<boost::s
  2  0.00%  100.00%  0x00002b5c9767f1e0   boost::spirit::impl::concrete_parser<boost::spirit::alternative<boost::s
  2  0.00%  100.00%  0x00002b5c9767de40   boost::spirit::impl::concrete_parser<boost::spirit::alternative<boost::s
  1  0.00%  100.00%  0x00002b5c976687f0   boost::spirit::impl::concrete_parser<boost::spirit::alternative<boost::s
  4  0.00%  99.99%   0x00002b5c96daf450   boost::spirit::impl::concrete_parser<boost::spirit::contiguous<boost::sp
  2  0.00%  100.00%  0x00002b5c96d97c90   boost::spirit::impl::concrete_parser<boost::spirit::contiguous<boost::sp
  2  0.00%  100.00%  0x00002b5c96d92bd0   boost::spirit::impl::concrete_parser<boost::spirit::contiguous<boost::sp
  1  0.00%  100.00%  0x00002b5c96d967e0   boost::spirit::impl::concrete_parser<boost::spirit::contiguous<boost::sp
  1  0.00%  100.00%  0x00002b5c96de2870   boost::spirit::impl::concrete_parser<boost::spirit::optional<boost::spir
  3  0.00%  100.00%  0x00002b5c97677560   boost::spirit::impl::concrete_parser<boost::spirit::sequence<boost::spir
  2  0.00%  100.00%  0x00002b5c9767e340   boost::spirit::impl::concrete_parser<boost::spirit::sequence<boost::spir
  1  0.00%  100.00%  0x00002b5c97685ae0   boost::spirit::impl::concrete_parser<boost::spirit::sequence<boost::spir
  1  0.00%  100.00%  0x00002b5c976811c0   boost::spirit::impl::concrete_parser<boost::spirit::sequence<boost::spir
  1  0.00%  100.00%  0x00002b5c97679c70   boost::spirit::impl::concrete_parser<boost::spirit::sequence<boost::spir
  1  0.00%  100.00%  0x00002b5c97665670   boost::spirit::impl::concrete_parser<boost::spirit::sequence<boost::spir
  4  0.00%  99.99%   0x00002b5c96d7eb80   boost::spirit::impl::grammar_helper<boost::spirit::grammar<Gaudi::Parser
  2  0.00%  100.00%  0x00002b5c96df74e0   boost::spirit::impl::grammar_helper<boost::spirit::grammar<Gaudi::Parser
  2  0.00%  100.00%  0x00002b5c96de1580   boost::spirit::impl::grammar_helper<boost::spirit::grammar<Gaudi::Parser
  2  0.00%  100.00%  0x00002b5c96daa750   boost::spirit::impl::grammar_helper<boost::spirit::grammar<Gaudi::Parser
  2  0.00%  100.00%  0x00002b5c96d7d680   boost::spirit::impl::grammar_helper<boost::spirit::grammar<Gaudi::Parser
  1  0.00%  100.00%  0x00002b5c9767d060   boost::spirit::impl::grammar_helper<boost::spirit::grammar<Gaudi::Parser
  1  0.00%  100.00%  0x00002b5c9766a4f0   boost::spirit::impl::tst_node<int, char>::~tst_node()</data4/wilrome/gau
  1  0.00%  100.00%  0x00002b5c96d95c30   boost::spirit::match<long double> boost::spirit::impl::real_parser_impl<
  1  0.00%  100.00%  0x00002b5c97665e40   boost::spirit::match<std::string>::value() const</data4/wilrome/gauss/so
  1  0.00%  100.00%  0x00002b5c96d7a910   boost::spirit::optional<boost::spirit::alternative<boost::spirit::altern
  3  0.00%  100.00%  0x00002b5c96df9b10   boost::spirit::parser_result<boost::spirit::action<boost::spirit::rule<b
  1  0.00%  100.00%  0x00002b5c96de2440   boost::spirit::parser_result<boost::spirit::action<Gaudi::Parsers::Strin
 10  0.00%  99.98%   0x00002b5c9767f9b0   boost::spirit::parser_result<boost::spirit::alternative<boost::spirit::a
  2  0.00%  100.00%  0x00002b5c96da85e0   boost::spirit::parser_result<boost::spirit::chlit<char>, boost::spirit::
  2  0.00%  100.00%  0x00002b5c96d8ea40   boost::spirit::parser_result<boost::spirit::chlit<char>, boost::spirit::
  1  0.00%  100.00%  0x00002b5c96d8e820   boost::spirit::parser_result<boost::spirit::chlit<char>, boost::spirit::
130  0.00%  99.86%   0x00002b5c96d9a3c0   boost::spirit::parser_result<boost::spirit::confix_parser<boost::spirit:
 42  0.00%  99.93%   0x00002b5c96d99a80   boost::spirit::parser_result<boost::spirit::confix_parser<boost::spirit:
  1  0.00%  100.00%  0x00002b5c97678ef0   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Prop
  4  0.00%  99.99%   0x00002b5c976707c0   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Real
  1  0.00%  100.00%  0x00002b5c96d88ad0   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Real
  8  0.00%  99.99%   0x00002b5c96d89cc0   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Skip
  2  0.00%  100.00%  0x00002b5c96dab3a0   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Stri
  2  0.00%  100.00%  0x00002b5c96d7f7d0   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Stri
  1  0.00%  100.00%  0x00002b5c97661be0   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Unit
  2  0.00%  100.00%  0x00002b5c96e3f910   boost::spirit::parser_result<boost::spirit::grammar<Gaudi::Parsers::Vect
  7  0.00%  99.99%   0x00002b5c976683a0   boost::spirit::parser_result<boost::spirit::rule<boost::spirit::scanner<
```

```
    1  0.00%  100.00%  0x00002b5c96d7ab30   boost::spirit::parser_result<boost::spirit::rule<boost::spirit::scanner<
   18  0.00%   99.97%  0x00002b5c96db00b0   boost::spirit::parser_result<boost::spirit::sequence<boost::spirit::sequ
    6  0.00%   99.99%  0x00002b5c96d9c410   boost::spirit::parser_result<boost::spirit::sequence<boost::spirit::sequ
    2  0.00%  100.00%  0x00002b5c96de1cd0   boost::spirit::parser_result<boost::spirit::sequence<boost::spirit::sequ
    1  0.00%  100.00%  0x00002b5c96d95b30   boost::spirit::parser_result<boost::spirit::sign_parser, boost::spirit::
   10  0.00%   99.98%  0x00002b5c96df6b20   boost::spirit::parser_result<boost::spirit::strlit<char const*>, boost::
  162  0.00%   99.83%  0x00002b5c96d763d0   boost::spirit::position_iterator<__gnu_cxx::__normal_iterator<char const
    4  0.00%   99.99%  0x00002b5c96d76ca0   boost::spirit::position_iterator<__gnu_cxx::__normal_iterator<char const
    3  0.00%  100.00%  0x00002b5c96d763b0   boost::spirit::position_iterator<__gnu_cxx::__normal_iterator<char const
    1  0.00%  100.00%  0x00002b5c9765a2c0   boost::spirit::rule<boost::spirit::scanner<boost::spirit::position_itera
    1  0.00%  100.00%  0x00002b5c9765a1f0   boost::spirit::rule<boost::spirit::scanner<boost::spirit::position_itera
    3  0.00%  100.00%  0x00002b5c96df2bf0   boost::spirit::scanner<boost::spirit::position_iterator<__gnu_cxx::__nor
    1  0.00%  100.00%  0x00002b5c96df2dc0   boost::spirit::scanner<boost::spirit::position_iterator<__gnu_cxx::__nor
    1  0.00%  100.00%  0x00002b5c96dcafc0   boost::spirit::scanner<boost::spirit::position_iterator<__gnu_cxx::__nor
    1  0.00%  100.00%  0x00002b5c96d9f420   boost::spirit::scanner<boost::spirit::position_iterator<__gnu_cxx::__nor
    1  0.00%  100.00%  0x00002b5c97651f40   boost::spirit::strlit<char const*>::strlit(char const*)</data4/wilrome/g
   18  0.00%   99.97%  0x00002aaaabac99e0   boostTo(EvtDiracSpinor const&, EvtVector4R)</data4/wilrome/gauss/soft/lh
    4  0.00%   99.99%  0x00002aaaabbe0fd0   boostTo(EvtRaritaSchwinger const&, EvtVector4R)</data4/wilrome/gauss/sof
    6  0.00%   99.99%  0x00002aaaabc2f930   boostTo(EvtVector4C const&, EvtVector4R)</data4/wilrome/gauss/soft/lhcb/
   10  0.00%   99.98%  0x00002aaaabc30120   boostTo(EvtVector4R const&, EvtVector4R const&)</data4/wilrome/gauss/sof
  711  0.00%   99.48%  0x00002aaaaba7d570   breitwigner_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGen
 1445  0.00%   99.18%  0x00002b5c97c25f40   build_tree</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
    1  0.00%  100.00%  0x00002b5ca4fb2f80   buildIndexProbe</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4
    1  0.00%  100.00%  0x00002aaaabf52a00   c_sfe</usr/lib64/libg2c.so.0.0.0>
    1  0.00%  100.00%  0x00002b5c9ddb6f30   call_gmon_start</data4/wilrome/gauss/soft/lcg/external/XercesC/2.7.0/slc
 3362  0.01%   98.64%  0x00002aaac02d41e0   CaloHit::~CaloHit()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim
  231  0.00%   99.78%  0x00002aaac02d4c60   CaloHit::CaloHit(LHCb::CaloCellID const&)</data4/wilrome/gauss/soft/lhcb
    9  0.00%   99.98%  0x00002aaac02d41a0   CaloHit::operator delete(void*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
 1333  0.00%   99.23%  0x00002aaac02d4160   CaloHit::operator new(unsigned long)</data4/wilrome/gauss/soft/lhcb/GAUS
    2  0.00%  100.00%  0x00002aaac0440360   CaloLed::~CaloLed()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det/C
    3  0.00%  100.00%  0x00002aaac0455800   CaloLed::addCaloRegion(int, int, int, int, int)</data4/wilrome/gauss/sof
    2  0.00%  100.00%  0x00002aaac0440500   CaloLed::CaloLed(int)</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det
    2  0.00%  100.00%  0x00002aaac0455110   CaloPin::addCaloRegion(int, int, int, int, int)</data4/wilrome/gauss/sof
    2  0.00%  100.00%  0x00002aaac0453700   CaloPin::CaloPin(CaloPin const&)</data4/wilrome/gauss/soft/lhcb/LHCB/LHC
    1  0.00%  100.00%  0x00002aaac04419e0   CaloPin::CaloPin(LHCb::CaloCellID)</data4/wilrome/gauss/soft/lhcb/LHCB/L
    1  0.00%  100.00%  0x00002aaac02da030   CaloSensDet::CaloSensDet(std::string const&, std::string const&, IInterf
30678  0.05%   92.51%  0x00002aaac02e3840   CaloSensDet::cell(G4StepPoint const*) const</data4/wilrome/gauss/soft/lh
    1  0.00%  100.00%  0x00002aaac02d7de0   CaloSensDet::EndOfEvent(G4HCofThisEvent*)</data4/wilrome/gauss/soft/lhcb
    7  0.00%   99.99%  0x00002aaac02d5d90   CaloSensDet::Initialize(G4HCofThisEvent*)</data4/wilrome/gauss/soft/lhcb
20155  0.03%   94.99%  0x00002aaac02d77b0   CaloSensDet::ProcessHits(G4Step*, G4TouchableHistory*)</data4/wilrome/ga
   70  0.00%   99.91%  0x00002aaac02ecab0   CaloSubHit::~CaloSubHit()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
  372  0.00%   99.69%  0x00002aaac02ece10   CaloSubHit::CaloSubHit(LHCb::CaloCellID const&, int)</data4/wilrome/gaus
   15  0.00%   99.97%  0x00002aaac02eca90   CaloSubHit::operator delete(void*)</data4/wilrome/gauss/soft/lhcb/GAUSS/
 1930  0.00%   99.02%  0x00002aaac02eca50   CaloSubHit::operator new(unsigned long)</data4/wilrome/gauss/soft/lhcb/G
```

```
  51  0.00%  99.92%   0x00002aaac0443d50   CellParam::~CellParam()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
   5  0.00%  99.99%   0x00002aaac0443e90   CellParam::CellParam(LHCb::CaloCellID const&)</data4/wilrome/gauss/soft/
   6  0.00%  99.99%   0x00002b5ca4f78740   cellSizePtr</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
   1  0.00%  100.00%  0x00002b5c97691ee0   char* std::string::_S_construct<__gnu_cxx::__normal_iterator<char const*
  14  0.00%  99.97%   0x00002b5c96d9bb80   char* std::string::_S_construct<boost::spirit::position_iterator<__gnu_c
  14  0.00%  99.97%   0x00002b5c96e5b7f0   char* std::string::_S_construct<boost::transform_iterator<boost::algorit
 899  0.00%  99.40%   0x00002b5c96cfbc20   char* std::string::_S_construct<char*>(char*, char*, std::allocator<char
   2  0.00%  100.00%  0x00002b5ca4f9e080   checkForMultiColumnSelectError</data4/wilrome/gauss/soft/lcg/external/sq
   1  0.00%  100.00%  0x00002b5ca4f7a710   checkReadLocks</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_
   2  0.00%  100.00%  0x00002b5c96d0c650   ChronoEntity::start()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/G
   4  0.00%  99.99%   0x00002b5c96d0c6c0   ChronoEntity::stop()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/Ga
   1  0.00%  100.00%  0x00002b5c96d0c260   ChronoEntity::uMeanTime() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
   2  0.00%  100.00%  0x00002b5c9753f670   ChronoStatSvc::chronoStart(std::string const&)</data4/wilrome/gauss/soft
   2  0.00%  100.00%  0x00002b5c9753f440   ChronoStatSvc::chronoStop(std::string const&)</data4/wilrome/gauss/soft/
   1  0.00%  100.00%  0x00002b5c9753dab0   ChronoStatSvc::stat(std::string const&) const</data4/wilrome/gauss/soft/
   2  0.00%  100.00%  0x00002b5c9753fb10   ChronoStatSvc::stat(std::string const&, double const&)</data4/wilrome/ga
   1  0.00%  100.00%  0x00002b5c993521b0   Cint::G__BaseClassInfo::G__BaseClassInfo(Cint::G__ClassInfo&)</data4/wil
   1  0.00%  100.00%  0x00002b5c99352130   Cint::G__BaseClassInfo::Init(Cint::G__ClassInfo&)</data4/wilrome/gauss/s
   6  0.00%  99.99%   0x00002b5c99352210   Cint::G__BaseClassInfo::IsValid()</data4/wilrome/gauss/soft/lcg/external
   2  0.00%  100.00%  0x00002b5c993522a0   Cint::G__BaseClassInfo::Property()</data4/wilrome/gauss/soft/lcg/externa
1967  0.00%  99.01%   0x00002b5c9937a980   Cint::G__CallFunc::Execute(void*)</data4/wilrome/gauss/soft/lcg/external
   1  0.00%  100.00%  0x00002b5c993797f0   Cint::G__CallFunc::Init()</data4/wilrome/gauss/soft/lcg/external/root/5.
 755  0.00%  99.46%   0x00002b5c99379cc0   Cint::G__CallFunc::SetArg(long)</data4/wilrome/gauss/soft/lcg/external/r
 647  0.00%  99.51%   0x00002b5c99379ad0   Cint::G__CallFunc::SetArgArray(long*, int)</data4/wilrome/gauss/soft/lcg
1462  0.00%  99.17%   0x00002b5c9937a220   Cint::G__CallFunc::SetArgs(char const*)</data4/wilrome/gauss/soft/lcg/ex
   1  0.00%  100.00%  0x00002b5c99379a30   Cint::G__CallFunc::SetFunc(Cint::G__MethodInfo)</data4/wilrome/gauss/sof
 839  0.00%  99.42%   0x00002b5c9937a760   Cint::G__CallFunc::SetFuncType()</data4/wilrome/gauss/soft/lcg/external/
   3  0.00%  99.99%   0x00002b5c9937b670   Cint::G__ClassInfo::CheckValidRootInfo()</data4/wilrome/gauss/soft/lcg/e
   1  0.00%  100.00%  0x00002b5c9937b3f0   Cint::G__ClassInfo::GetInterfaceMethod(char const*, char const*, long*,
   2  0.00%  100.00%  0x00002b5c9937b470   Cint::G__ClassInfo::GetMethod(char const*, char const*, long*, Cint::G__
  13  0.00%  99.97%   0x00002b5c9937c280   Cint::G__ClassInfo::HasDefaultConstructor()</data4/wilrome/gauss/soft/lc
   1  0.00%  100.00%  0x00002b5c9937c2c0   Cint::G__ClassInfo::HasMethod(char const*)</data4/wilrome/gauss/soft/lcg
 562  0.00%  99.57%   0x00002b5c9937aae0   Cint::G__ClassInfo::Init()</data4/wilrome/gauss/soft/lcg/external/root/5
   7  0.00%  99.99%   0x00002b5c9937ab00   Cint::G__ClassInfo::Init(int)</data4/wilrome/gauss/soft/lcg/external/roo
   6  0.00%  99.99%   0x00002b5c9937b130   Cint::G__ClassInfo::IsLoaded()</data4/wilrome/gauss/soft/lcg/external/ro
  27  0.00%  99.95%   0x00002b5c9937ab60   Cint::G__ClassInfo::IsValid()</data4/wilrome/gauss/soft/lcg/external/roo
   1  0.00%  100.00%  0x00002b5c9937ab90   Cint::G__ClassInfo::Name()</data4/wilrome/gauss/soft/lcg/external/root/5
   9  0.00%  99.98%   0x00002b5c9937ac80   Cint::G__ClassInfo::Property()</data4/wilrome/gauss/soft/lcg/external/ro
   1  0.00%  100.00%  0x00002b5c9937bb00   Cint::G__ClassInfo::SetDefLine(int)</data4/wilrome/gauss/soft/lcg/extern
   1  0.00%  100.00%  0x00002b5c9937dee0   Cint::G__DataMemberInfo::ArrayDim()</data4/wilrome/gauss/soft/lcg/extern
   1  0.00%  100.00%  0x00002b5c9937da70   Cint::G__DataMemberInfo::Init(Cint::G__ClassInfo&)</data4/wilrome/gauss/
  45  0.00%  99.93%   0x00002b5c9937dbc0   Cint::G__DataMemberInfo::IsValid()</data4/wilrome/gauss/soft/lcg/externa
  19  0.00%  99.96%   0x00002b5c9937dbf0   Cint::G__DataMemberInfo::Name()</data4/wilrome/gauss/soft/lcg/external/r
  26  0.00%  99.95%   0x00002b5c9937e060   Cint::G__DataMemberInfo::Next()</data4/wilrome/gauss/soft/lcg/external/r
   1  0.00%  100.00%  0x00002b5c9937dc60   Cint::G__DataMemberInfo::Property()</data4/wilrome/gauss/soft/lcg/extern
```

```
     8  0.00%  99.98%   0x00002b5c9937dc10   Cint::G__DataMemberInfo::Title()</data4/wilrome/gauss/soft/lcg/external/
   151  0.00%  99.84%   0x00002b5c9937ece0   Cint::G__MethodArgInfo::Init(Cint::G__MethodInfo&)</data4/wilrome/gauss/
   226  0.00%  99.78%   0x00002b5c9937ed40   Cint::G__MethodArgInfo::IsValid()</data4/wilrome/gauss/soft/lcg/external
     1  0.00%  100.00%  0x00002b5c9937eeb0   Cint::G__MethodArgInfo::Name()</data4/wilrome/gauss/soft/lcg/external/ro
   602  0.00%  99.54%   0x00002b5c9937eef0   Cint::G__MethodArgInfo::Next()</data4/wilrome/gauss/soft/lcg/external/ro
     3  0.00%  99.99%   0x00002b5c9937fb80   Cint::G__MethodInfo::GetPrototype()</data4/wilrome/gauss/soft/lcg/extern
   500  0.00%  99.61%   0x00002b5c9937f290   Cint::G__MethodInfo::ifunc()</data4/wilrome/gauss/soft/lcg/external/root
     1  0.00%  100.00%  0x00002b5c9937f0a0   Cint::G__MethodInfo::Init(long, long, Cint::G__ClassInfo*)</data4/wilrom
  1499  0.00%  99.15%   0x00002b5c9937efd0   Cint::G__MethodInfo::IsValid()</data4/wilrome/gauss/soft/lcg/external/ro
   234  0.00%  99.78%   0x00002b5c9937f460   Cint::G__MethodInfo::NArg()</data4/wilrome/gauss/soft/lcg/external/root/
     2  0.00%  100.00%  0x00002b5c99397530   Cint::G__TypedefInfo::Init()</data4/wilrome/gauss/soft/lcg/external/root
     4  0.00%  99.99%   0x00002b5c993975c0   Cint::G__TypedefInfo::Init(char const*)</data4/wilrome/gauss/soft/lcg/ex
     6  0.00%  99.99%   0x00002b5c99397670   Cint::G__TypedefInfo::IsValid()</data4/wilrome/gauss/soft/lcg/external/r
    48  0.00%  99.93%   0x00002b5c99396ca0   Cint::G__TypeInfo::~G__TypeInfo()</data4/wilrome/gauss/soft/lcg/external
     2  0.00%  100.00%  0x00002b5c99396d80   Cint::G__TypeInfo::~G__TypeInfo()</data4/wilrome/gauss/soft/lcg/external
   312  0.00%  99.72%   0x00002b5c99396cb0   Cint::G__TypeInfo::G__TypeInfo()</data4/wilrome/gauss/soft/lcg/external/
     9  0.00%  99.98%   0x00002b5c99396d90   Cint::G__TypeInfo::G__TypeInfo()</data4/wilrome/gauss/soft/lcg/external/
    16  0.00%  99.97%   0x00002b5c99396d10   Cint::G__TypeInfo::G__TypeInfo(Cint::G__TypeInfo const&)</data4/wilrome/
    45  0.00%  99.93%   0x00002b5c99397240   Cint::G__TypeInfo::Name()</data4/wilrome/gauss/soft/lcg/external/root/5.
     7  0.00%  99.99%   0x00002b5c993972e0   Cint::G__TypeInfo::Property()</data4/wilrome/gauss/soft/lcg/external/roo
     2  0.00%  100.00%  0x00002b5c99397280   Cint::G__TypeInfo::Size() const</data4/wilrome/gauss/soft/lcg/external/r
     1  0.00%  100.00%  0x00002b5c99397200   Cint::G__TypeInfo::TrueName()</data4/wilrome/gauss/soft/lcg/external/roo
    26  0.00%  99.95%   0x00002b5c993974c0   Cint::G__TypeInfo::Type() const</data4/wilrome/gauss/soft/lcg/external/r
    60  0.00%  99.92%   0x00002b5c993974b0   Cint::G__TypeInfo::Typenum() const</data4/wilrome/gauss/soft/lcg/externa
     1  0.00%  100.00%  0x00002b0cdb024270   class_lookup</data4/wilrome/gauss/soft/lcg/external/Python/2.4.2/slc4_am
    33  0.00%  99.94%   0x00002b5ca4faef40   Cleanup</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_g
     2  0.00%  100.00%  0x00002b5ca4f782c0   clearCursorPosition</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/
     5  0.00%  99.99%   0x00002b5ca4f9d890   clearSelect</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
199403  0.31%  68.21%   0x00002b5c9cfb6c70   CLHEP::Hep3Vector::operator()(int) const</data4/wilrome/gauss/soft/lcg/e
 74432  0.11%  85.95%   0x00002b5c9cfb6be0   CLHEP::Hep3Vector::operator()(int)</data4/wilrome/gauss/soft/lcg/externa
 14672  0.02%  96.28%   0x00002b5c9cfbaaf0   CLHEP::Hep3Vector::operator*=(CLHEP::HepRotation const&)</data4/wilrome/
    21  0.00%  99.96%   0x00002b5c9cfb65b0   CLHEP::Hep3Vector::pseudoRapidity() const</data4/wilrome/gauss/soft/lcg/
   834  0.00%  99.43%   0x00002b5c9cfbab70   CLHEP::Hep3Vector::rotate(double, CLHEP::Hep3Vector const&)</data4/wilro
161171  0.25%  73.60%   0x00002b5c9cfb6490   CLHEP::Hep3Vector::rotateUz(CLHEP::Hep3Vector const&)</data4/wilrome/gau
     3  0.00%  99.99%   0x00002b5c99070220   CLHEP::HepJamesRandom::setSeed(long, int)</data4/wilrome/gauss/soft/lcg/
   796  0.00%  99.44%   0x00002b5c9cf8c690   CLHEP::HepLorentzRotation::rotateY(double)</data4/wilrome/gauss/soft/lcg
  1359  0.00%  99.21%   0x00002b5c9cf8c800   CLHEP::HepLorentzRotation::rotateZ(double)</data4/wilrome/gauss/soft/lcg
  2769  0.00%  98.79%   0x00002b5c9cf95430   CLHEP::HepLorentzVector::boost(double, double, double)</data4/wilrome/ga
  1161  0.00%  99.28%   0x00002b5c9cf96b90   CLHEP::HepLorentzVector::boostVector() const</data4/wilrome/gauss/soft/l
  1385  0.00%  99.20%   0x00002b5c9cfa1580   CLHEP::HepLorentzVector::operator*=(CLHEP::HepLorentzRotation const&)</d
     1  0.00%  100.00%  0x00002b5c9cf99400   CLHEP::HepLorentzVector::operator<(CLHEP::HepLorentzVector const&) const
   147  0.00%  99.84%   0x00002b5c9cfa18b0   CLHEP::HepLorentzVector::rotate(double, CLHEP::Hep3Vector const&)</data4
     3  0.00%  99.99%   0x00002b5c99087b40   CLHEP::HepRandom::~HepRandom()</data4/wilrome/gauss/soft/lcg/external/cl
     3  0.00%  99.99%   0x00002b5c99087e70   CLHEP::HepRandom::createInstance()</data4/wilrome/gauss/soft/lcg/externa
```

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170173  0.26%  72.08%   0x00002b5c99087d80   CLHEP::HepRandom::getTheEngine()</data4/wilrome/gauss/soft/lcg/external/
     2  0.00%  100.00%  0x00002b5c99088020   CLHEP::HepRandom::HepRandom()</data4/wilrome/gauss/soft/lcg/external/clh
  4118  0.01%  98.46%   0x00002b5c9cfa2ba0   CLHEP::HepRotation::rotate(double, CLHEP::Hep3Vector const&)</data4/wilr
636781  0.98%  36.95%   0x00002b5c9cfa2030   CLHEP::HepRotation::rotateAxes(CLHEP::Hep3Vector const&, CLHEP::Hep3Vect
   479  0.00%  99.62%   0x00002b5c9cfa1e50   CLHEP::HepRotation::rotateY(double)</data4/wilrome/gauss/soft/lcg/extern
   510  0.00%  99.60%   0x00002b5c9cfa1f40   CLHEP::HepRotation::rotateZ(double)</data4/wilrome/gauss/soft/lcg/extern
   150  0.00%  99.84%   0x00002b5c9cfa7730   CLHEP::HepRotation::set(double, double, double)</data4/wilrome/gauss/sof
 23622  0.04%  94.43%   0x00002b5c9907d3b0   CLHEP::RandFlat::shoot()</data4/wilrome/gauss/soft/lcg/external/clhep/1.
     3  0.00%  99.99%   0x00002b5c9907d530   CLHEP::RandFlat::shootArray(int, double*)</data4/wilrome/gauss/soft/lcg/
 48728  0.08%  89.94%   0x00002b5c99084500   CLHEP::RandGaussQ::transformQuick(double)</data4/wilrome/gauss/soft/lcg/
     4  0.00%  99.99%   0x00002b5c99084360   CLHEP::RandGaussQ::transformSmall(double)</data4/wilrome/gauss/soft/lcg/
     3  0.00%  99.99%   0x00002b5c99085700   CLHEP::RandGeneral::~RandGeneral()</data4/wilrome/gauss/soft/lcg/externa
     1  0.00%  100.00%  0x00002b5c99085470   CLHEP::RandGeneral::mapRandom(double) const</data4/wilrome/gauss/soft/lc
    62  0.00%  99.91%   0x00002b5c990863e0   CLHEP::RandGeneral::prepareTable(double const*)</data4/wilrome/gauss/sof
     1  0.00%  100.00%  0x00002b5c99086950   CLHEP::RandGeneral::RandGeneral(double const*, int, int)</data4/wilrome/
    10  0.00%  99.98%   0x00002b5c99088ee0   CLHEP::RandPoisson::shoot(CLHEP::HepRandomEngine*, double)</data4/wilrom
2776941  4.28%  4.28%   0x00002b5c990926c0   CLHEP::RanluxEngine::flat()</data4/wilrome/gauss/soft/lcg/external/clhep
  2955  0.00%  98.73%   0x00002b5c99092870   CLHEP::RanluxEngine::flatArray(int, double*)</data4/wilrome/gauss/soft/l
     9  0.00%  99.98%   0x00002b5c99091a70   CLHEP::RanluxEngine::setSeeds(long const*, int)</data4/wilrome/gauss/sof
    34  0.00%  99.94%   0x00002b5ca4faeed0   closeAllCursors</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4
     8  0.00%  99.98%   0x00002b5ca4fb30f0   codeAllEqualityTerms</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0
     2  0.00%  100.00%  0x00002b5ca4f880c0   codeCompare</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
     8  0.00%  99.98%   0x00002b5ca4fb2fc0   codeEqualityTerm</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc
     3  0.00%  99.99%   0x00002b5ca4f9df10   codeOffset</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd6
     4  0.00%  99.99%   0x00002aaaab2d5fc0   CollidingBeams::getBeams(ROOT::Math::DisplacementVector3D<ROOT::Math::Ca
    14  0.00%  99.97%   0x00002b5ca4fad400   columnMallocFailure</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/
    23  0.00%  99.96%   0x00002b5ca4fad380   columnMem</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64
    51  0.00%  99.92%   0x00002b5ca4f9e8e0   columnType</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd6
     2  0.00%  100.00%  0x00002b5ca4f87fc0   comparisonAffinity</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/s
 12776  0.02%  96.78%   0x00002b5c97c26d40   compress_block</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
     2  0.00%  100.00%  0x00002b5c9e619820   CondDBAccessSvc::connectionString() const</data4/wilrome/gauss/soft/lhcb
     3  0.00%  99.99%   0x00002b5c9e62ee30   CondDBAccessSvc::DataBaseOperationLock::~DataBaseOperationLock()</data4/
     6  0.00%  99.99%   0x00002b5c9e635720   CondDBAccessSvc::DataBaseOperationLock::DataBaseOperationLock(CondDBAcce
     3  0.00%  99.99%   0x00002b5c9e61ef10   CondDBAccessSvc::defaultTags(std::vector<std::pair<std::string, std::str
    43  0.00%  99.93%   0x00002b5c9e6220a0   CondDBAccessSvc::getObject(std::string const&, Gaudi::Time const&, boost
     1  0.00%  100.00%  0x00002b5c9e619810   CondDBAccessSvc::tag() const</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v2
     7  0.00%  99.99%   0x00002b5c9e619830   CondDBAccessSvc::timeToValKey(Gaudi::Time const&) const</data4/wilrome/g
    15  0.00%  99.97%   0x00002b5c9e619df0   CondDBAccessSvc::valKeyToTime(unsigned long long const&) const</data4/wi
     3  0.00%  99.99%   0x00002b5c9e63fc60   CondDBCache::CondFolder::CondFolder(CondDBCache::CondFolder const&)</dat
   129  0.00%  99.86%   0x00002b5c9e638c60   CondDBCache::get(std::string const&, unsigned long long const&, unsigned
    12  0.00%  99.98%   0x00002b5c9e63bca0   CondDBCache::insert(boost::shared_ptr<cool::IFolder> const&, boost::shar
     1  0.00%  100.00%  0x00002b5c9e641410   CondDBCnvSvc::defaultTags(std::vector<std::pair<std::string, std::string
    11  0.00%  99.98%   0x00002b5c9e6404a0   CondDBCnvSvc::getObject(std::string const&, Gaudi::Time const&, boost::s
    49  0.00%  99.93%   0x00002b5c9e643a50   CondDBDispatcherSvc::alternativeFor(std::string const&)</data4/wilrome/g
     4  0.00%  99.99%   0x00002b5c9e644040   CondDBDispatcherSvc::defaultTags(std::vector<std::pair<std::string, std:
```

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  13  0.00%  99.97%   0x00002b5c9e643fb0   CondDBDispatcherSvc::getObject(std::string const&, Gaudi::Time const&, b
3953  0.01%  98.50%   0x00002b5c9e16cb10   CondDBEntityResolverSvc::resolveEntity(unsigned short const*, unsigned s
   1  0.00%  100.00%  0x00002b5c9e16bf10   CondDBEntityResolverSvc::resolver()</data4/wilrome/gauss/soft/lhcb/LHCB/
   3  0.00%  99.99%   0x00002b5c9a162000   Condition::~Condition()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
   1  0.00%  100.00%  0x00002b5c9a161f70   Condition::~Condition()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
   3  0.00%  99.99%   0x00002b5c9a161e40   Condition::Condition()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/De
   2  0.00%  100.00%  0x00002b5c9a161df0   Condition::Condition()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/De
  31  0.00%  99.95%   0x00002b5c9a162090   Condition::toXml(std::string const&) const</data4/wilrome/gauss/soft/lhc
   2  0.00%  100.00%  0x00002aaaabc26140   cont(EvtTensor4C const&, EvtTensor4C const&)</data4/wilrome/gauss/soft/l
  52  0.00%  99.92%   0x00002b5c96d0ef30   ContainedObject::~ContainedObject()</data4/wilrome/gauss/soft/lhcb/GAUDI
   5  0.00%  99.99%   0x00002b5c96d420b0   Containers::hashmap::hashmap()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUD
   3  0.00%  100.00%  0x00002b5c96d40570   Containers::KeyedObjectManager<Containers::hashmap>::~KeyedObjectManager
   4  0.00%  99.99%   0x00002b5c96d403c0   Containers::KeyedObjectManager<Containers::hashmap>::clear()</data4/wilr
   7  0.00%  99.99%   0x00002b5c96d41200   Containers::KeyedObjectManager<Containers::hashmap>::erase(__gnu_cxx::__
 104  0.00%  99.88%   0x00002b5c96d41690   Containers::KeyedObjectManager<Containers::hashmap>::insert(ObjectContai
  16  0.00%  99.97%   0x00002b5c96d41880   Containers::KeyedObjectManager<Containers::hashmap>::insert(ObjectContai
   3  0.00%  100.00%  0x00002b5c96d421e0   Containers::KeyedObjectManager<Containers::hashmap>::KeyedObjectManager(
  69  0.00%  99.91%   0x00002b5c96d41100   Containers::KeyedObjectManager<Containers::hashmap>::onDirty() const</da
   3  0.00%  100.00%  0x00002b5c96d3f420   Containers::KeyedObjectManager<Containers::hashmap>::setup(void*, void**
   3  0.00%  100.00%  0x00002b5c96d0f3a0   ConversionSvc::configureConverter(long, unsigned int const&, IConverter*
   1  0.00%  100.00%  0x00002b5c96d10920   ConversionSvc::ConversionSvc(std::string const&, ISvcLocator*, long)</da
  71  0.00%  99.91%   0x00002b5c96d0fa00   ConversionSvc::converter(unsigned int const&)</data4/wilrome/gauss/soft/
  19  0.00%  99.96%   0x00002b5c96d10590   ConversionSvc::createObj(IOpaqueAddress*, DataObject*&)</data4/wilrome/g
   6  0.00%  99.99%   0x00002b5c96d10460   ConversionSvc::createRep(DataObject*, IOpaqueAddress*&)</data4/wilrome/g
  15  0.00%  99.97%   0x00002b5c96d10540   ConversionSvc::fillObjRefs(IOpaqueAddress*, DataObject*)</data4/wilrome/
 134  0.00%  99.85%   0x00002b5c96d0fb50   ConversionSvc::makeCall(int, bool, bool, bool, IOpaqueAddress*&, DataObj
   6  0.00%  99.99%   0x00002b5c96d0f0b0   ConversionSvc::updateServiceState(IOpaqueAddress*)</data4/wilrome/gauss/
   3  0.00%  100.00%  0x00002b5c96d136f0   Converter::addressCreator() const</data4/wilrome/gauss/soft/lhcb/GAUDI/G
   7  0.00%  99.99%   0x00002b5c96d136c0   Converter::conversionSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GA
   1  0.00%  100.00%  0x00002b5c96d13710   Converter::Converter(long, unsigned int const&, ISvcLocator*)</data4/wil
   5  0.00%  99.99%   0x00002b5c96d13680   Converter::dataProvider() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
   5  0.00%  99.99%   0x00002b5c96d133c0   Converter::fillObjRefs(IOpaqueAddress*, DataObject*)</data4/wilrome/gaus
   1  0.00%  100.00%  0x00002b5c96d13440   Converter::fillRepRefs(IOpaqueAddress*, DataObject*)</data4/wilrome/gaus
   1  0.00%  100.00%  0x00002b5c96d134b0   Converter::finalize()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/G
   2  0.00%  100.00%  0x00002b5c96d13390   Converter::i_repSvcType() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
  74  0.00%  99.90%   0x00002b5c96d139e0   Converter::msgSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
   4  0.00%  99.99%   0x00002b5c96d13380   Converter::objType() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v1
   2  0.00%  100.00%  0x00002b5c96d134a0   Converter::serviceLocator() const</data4/wilrome/gauss/soft/lhcb/GAUDI/G
   1  0.00%  100.00%  0x00002b5c96d13580   Converter::setDataProvider(IDataProviderSvc*)</data4/wilrome/gauss/soft/
   2  0.00%  100.00%  0x00002b5c96d12690   ConverterID ROOT::Reflex::any_cast<ConverterID>(ROOT::Reflex::Any const&
   2  0.00%  100.00%  0x00002b5c96d12630   ConverterID* ROOT::Reflex::any_cast<ConverterID>(ROOT::Reflex::Any*)</da
   1  0.00%  100.00%  0x00002b0cdb09b1f0   convertsimple</data4/wilrome/gauss/soft/lcg/external/Python/2.4.2/slc4_a
   2  0.00%  100.00%  0x00002b5c9e284d70   cool::ConstFieldAdapter::addressOfData() const</data4/wilrome/gauss/soft
   1  0.00%  100.00%  0x00002b5c9e284640   cool::ConstFieldAdapter::attribute() const</data4/wilrome/gauss/soft/lcg
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  5  0.00%  99.99%   0x00002b5c9e2845e0   cool::ConstFieldAdapter::ConstFieldAdapter(cool::IFieldSpecification con
  1  0.00%  100.00%  0x00002b5c9e284610   cool::ConstFieldAdapter::isNull() const</data4/wilrome/gauss/soft/lcg/ex
  7  0.00%  99.99%   0x00002b5c9e287100   cool::ConstRecordAdapter::ConstRecordAdapter(cool::IRecordSpecification
  1  0.00%  100.00%  0x00002b5c9e2875e0   cool::ConstRecordAdapter::field(unsigned int) const</data4/wilrome/gauss
  5  0.00%  99.99%   0x00002b5ca46e5f00   cool::ConstRelationalObjectAdapter::ConstRelationalObjectAdapter(coral::
  3  0.00%  99.99%   0x00002b5ca46e68c0   cool::ConstRelationalObjectAdapter::deepCopy() const</data4/wilrome/gaus
  2  0.00%  100.00%  0x00002b5ca46e5e20   cool::ConstRelationalObjectAdapter::isTimingActive() const</data4/wilrom
  1  0.00%  100.00%  0x00002b5ca46ea030   cool::ConstTimeAdapter::~ConstTimeAdapter()</data4/wilrome/gauss/soft/lc
  1  0.00%  100.00%  0x00002b5ca46ea080   cool::ConstTimeAdapter::ConstTimeAdapter(std::string const&)</data4/wilr
  2  0.00%  100.00%  0x00002b5ca46ec950   cool::DummyTransactionMgr::isActive()</data4/wilrome/gauss/soft/lcg/exte
  2  0.00%  100.00%  0x00002b5ca46ec920   cool::DummyTransactionMgr::start(bool)</data4/wilrome/gauss/soft/lcg/ext
  8  0.00%  99.98%   0x00002b5c9e288560   cool::FieldAdapter::~FieldAdapter()</data4/wilrome/gauss/soft/lcg/extern
 14  0.00%  99.97%   0x00002b5c9e2896d0   cool::FieldAdapter::addressOfData() const</data4/wilrome/gauss/soft/lcg/
  8  0.00%  99.98%   0x00002b5c9e2885a0   cool::FieldAdapter::FieldAdapter(cool::IFieldSpecification const&, coral
 26  0.00%  99.95%   0x00002b5c9e2885d0   cool::FieldAdapter::isNull() const</data4/wilrome/gauss/soft/lcg/externa
 21  0.00%  99.96%   0x00002b5c9e2889d0   cool::FieldAdapter::setValue(std::type_info const&, void const*)</data4/
 17  0.00%  99.97%   0x00002b5c9e2885c0   cool::FieldAdapter::specification() const</data4/wilrome/gauss/soft/lcg/
 34  0.00%  99.94%   0x00002b5c9e28ab20   cool::FieldSpecification::~FieldSpecification()</data4/wilrome/gauss/sof
 78  0.00%  99.90%   0x00002b5c9e28aca0   cool::FieldSpecification::FieldSpecification(std::string const&, cool::S
242  0.00%  99.77%   0x00002b5c9e28ab70   cool::FieldSpecification::name() const</data4/wilrome/gauss/soft/lcg/ext
 30  0.00%  99.95%   0x00002b5c9e28ab80   cool::FieldSpecification::storageType() const</data4/wilrome/gauss/soft/
 10  0.00%  99.98%   0x00002b5c9e28b0c0   cool::FieldSpecification::validate(cool::IField const&, bool) const</dat
 42  0.00%  99.93%   0x00002b5c9e28b8b0   cool::FieldSpecification::validate(coral::Attribute const&, bool) const<
  1  0.00%  100.00%  0x00002b5c9e28fad0   cool::FolderSpecification::~FolderSpecification()</data4/wilrome/gauss/s
  2  0.00%  100.00%  0x00002b5c9e28fc30   cool::FolderSpecification::FolderSpecification(cool::FolderVersioning::M
  1  0.00%  100.00%  0x00002b5c9e28fc90   cool::FolderSpecification::payloadSpecification() const</data4/wilrome/g
  2  0.00%  100.00%  0x00002b5c9e28fc80   cool::FolderSpecification::versioningMode()</data4/wilrome/gauss/soft/lc
  1  0.00%  100.00%  0x00002b5ca46ec990   cool::HvsPathHandler::~HvsPathHandler()</data4/wilrome/gauss/soft/lcg/ex
  1  0.00%  100.00%  0x00002b5ca46f19b0   cool::ObjectIteratorCounter::openIterators()</data4/wilrome/gauss/soft/l
  3  0.00%  99.99%   0x00002b5ca46f2100   cool::ObjectIteratorCounter::registerIterator(cool::IObjectIterator cons
  2  0.00%  100.00%  0x00002b5ca46f1a40   cool::ObjectIteratorCounter::unregisterIterator(cool::IObjectIterator co
  4  0.00%  99.99%   0x00002b5ca46fc500   cool::RalDatabase::__getFolder(cool::RelationalTableRow const&)</data4/w
  5  0.00%  99.99%   0x00002b5ca46fd1a0   cool::RalDatabase::__getFolder(std::string const&)</data4/wilrome/gauss/
  1  0.00%  100.00%  0x00002b5ca46fb350   cool::RalDatabase::__getFolderSet(std::string const&)</data4/wilrome/gau
  7  0.00%  99.99%   0x00002b5ca46fe140   cool::RalDatabase::getFolder(std::string const&)</data4/wilrome/gauss/so
  4  0.00%  99.99%   0x00002b5ca4708610   cool::RalDatabase::relationalDbPtr()</data4/wilrome/gauss/soft/lcg/exter
  3  0.00%  99.99%   0x00002b5ca46f41f0   cool::RalDatabase::sessionMgr() const</data4/wilrome/gauss/soft/lcg/exte
  3  0.00%  99.99%   0x00002b5ca47113e0   cool::RalObjectIterator2::~RalObjectIterator2()</data4/wilrome/gauss/sof
  3  0.00%  99.99%   0x00002b5ca4711980   cool::RalObjectIterator2::fetchNext()</data4/wilrome/gauss/soft/lcg/exte
  7  0.00%  99.99%   0x00002b5ca47145b0   cool::RalObjectIterator2::getQuery(unsigned long long const&, unsigned l
  5  0.00%  99.99%   0x00002b5ca4713110   cool::RalObjectIterator2::getSize(unsigned long long const&, unsigned lo
  5  0.00%  99.99%   0x00002b5ca4713870   cool::RalObjectIterator2::goToNext()</data4/wilrome/gauss/soft/lcg/exter
  2  0.00%  100.00%  0x00002b5ca4711ed0   cool::RalObjectIterator2::goToStart()</data4/wilrome/gauss/soft/lcg/exte
  3  0.00%  99.99%   0x00002b5ca4712bd0   cool::RalObjectIterator2::hasNext() const</data4/wilrome/gauss/soft/lcg/
  2  0.00%  100.00%  0x00002b5ca4713030   cool::RalObjectIterator2::isTimingActive() const</data4/wilrome/gauss/so
```

```
     2  0.00%  100.00%  0x00002b5ca47129b0   cool::RalObjectIterator2::next()</data4/wilrome/gauss/soft/lcg/external/
     6  0.00%   99.99%  0x00002b5ca4715d30   cool::RalObjectIterator2::RalObjectIterator2(boost::shared_ptr<cool::Ral
     2  0.00%  100.00%  0x00002b5ca4711260   cool::RalObjectIterator2::registerIterator(cool::RelationalFolder const&
     1  0.00%  100.00%  0x00002b5ca4711cd0   cool::RalObjectIterator2::size() const</data4/wilrome/gauss/soft/lcg/ext
     7  0.00%   99.99%  0x00002b5ca471dbb0   cool::RalObjectMgr::browseObjects(cool::RelationalFolder const*, unsigne
     5  0.00%   99.99%  0x00002b5ca471e890   cool::RalObjectMgr::findObject(cool::RelationalFolder const*, unsigned l
     1  0.00%  100.00%  0x00002b5ca4727c10   cool::RalObjectMgr::transactionMgr() const</data4/wilrome/gauss/soft/lcg
     5  0.00%   99.99%  0x00002b5ca472be00   cool::RalObjectTable::RalObjectTable(boost::shared_ptr<cool::RalSessionM
     3  0.00%   99.99%  0x00002b5ca472c3e0   cool::RalQueryMgr::~RalQueryMgr()</data4/wilrome/gauss/soft/lcg/external
    16  0.00%   99.97%  0x00002b5ca47303e0   cool::RalQueryMgr::countRowsFromTables(std::vector<std::pair<std::string
     3  0.00%   99.99%  0x00002b5ca472caf0   cool::RalQueryMgr::cursorNext(coral::ICursor&)</data4/wilrome/gauss/soft
     2  0.00%  100.00%  0x00002b5ca472c600   cool::RalQueryMgr::existsTable(std::string const&) const</data4/wilrome/
    45  0.00%   99.93%  0x00002b5ca4733130   cool::RalQueryMgr::fetchOrderedRowsFromTables(std::vector<std::pair<std:
     7  0.00%   99.99%  0x00002b5ca472c5b0   cool::RalQueryMgr::newQuery() const</data4/wilrome/gauss/soft/lcg/extern
    35  0.00%   99.94%  0x00002b5ca472f660   cool::RalQueryMgr::prepareQuery(coral::IQuery*, std::vector<std::pair<st
    13  0.00%   99.97%  0x00002b5ca4730320   cool::RalQueryMgr::prepareQuery(std::vector<std::pair<std::string, std::
     2  0.00%  100.00%  0x00002b5ca472c650   cool::RalQueryMgr::RalQueryMgr(boost::shared_ptr<cool::RalSessionMgr> co
     6  0.00%   99.99%  0x00002b5ca47450c0   cool::RalSequenceMgr::~RalSequenceMgr()</data4/wilrome/gauss/soft/lcg/ex
     2  0.00%  100.00%  0x00002b5ca4744de0   cool::RalSequenceMgr::initialize()</data4/wilrome/gauss/soft/lcg/externa
     1  0.00%  100.00%  0x00002b5ca4745fb0   cool::RalSessionMgr::context() const</data4/wilrome/gauss/soft/lcg/exter
    10  0.00%   99.98%  0x00002b5ca4745fc0   cool::RalSessionMgr::isConnected() const</data4/wilrome/gauss/soft/lcg/e
     8  0.00%   99.98%  0x00002b5ca4746000   cool::RalSessionMgr::session() const</data4/wilrome/gauss/soft/lcg/exter
     9  0.00%   99.98%  0x00002b5c9e291180   cool::Record::~Record()</data4/wilrome/gauss/soft/lcg/external/COOL/COOL
     2  0.00%  100.00%  0x00002b5c9e28fdb0   cool::Record::attributeList() const</data4/wilrome/gauss/soft/lcg/extern
    17  0.00%   99.97%  0x00002b5c9e28ff00   cool::Record::extend(cool::IRecord const&)</data4/wilrome/gauss/soft/lcg
    26  0.00%   99.95%  0x00002b5c9e2913e0   cool::Record::field(unsigned int) const</data4/wilrome/gauss/soft/lcg/ex
     3  0.00%   99.99%  0x00002b5c9e2912c0   cool::Record::field(unsigned int)</data4/wilrome/gauss/soft/lcg/external
     6  0.00%   99.99%  0x00002b5c9e28fd40   cool::Record::operator[](std::string const&)</data4/wilrome/gauss/soft/l
     1  0.00%  100.00%  0x00002b5c9e28fdc0   cool::Record::Record()</data4/wilrome/gauss/soft/lcg/external/COOL/COOL_
     1  0.00%  100.00%  0x00002b5c9e2901b0   cool::Record::Record(cool::IRecord const&)</data4/wilrome/gauss/soft/lcg
    76  0.00%   99.90%  0x00002b5c9e290a30   cool::Record::Record(cool::IRecordSpecification const&)</data4/wilrome/g
     4  0.00%   99.99%  0x00002b5c9e2904f0   cool::Record::Record(cool::IRecordSpecification const&, coral::Attribute
    31  0.00%   99.95%  0x00002b5c9e290f90   cool::Record::reset()</data4/wilrome/gauss/soft/lcg/external/COOL/COOL_2
    22  0.00%   99.96%  0x00002b5c9e28fce0   cool::Record::specification() const</data4/wilrome/gauss/soft/lcg/extern
    15  0.00%   99.97%  0x00002b5c9e292720   cool::RecordSpecification::~RecordSpecification()</data4/wilrome/gauss/s
  2677  0.00%   98.81%  0x00002b5c9e292530   cool::RecordSpecification::exists(std::string const&) const</data4/wilro
     5  0.00%   99.99%  0x00002b5c9e292ee0   cool::RecordSpecification::extend(cool::IFieldSpecification const&)</dat
    31  0.00%   99.95%  0x00002b5c9e292bf0   cool::RecordSpecification::extend(cool::IRecordSpecification const&)</da
     8  0.00%   99.98%  0x00002b5c9e292be0   cool::RecordSpecification::extend(std::string const&, cool::StorageType
    91  0.00%   99.89%  0x00002b5c9e292820   cool::RecordSpecification::extend(std::string const&, cool::StorageType:
   580  0.00%   99.55%  0x00002b5c9e291df0   cool::RecordSpecification::index(std::string const&) const</data4/wilrom
  1072  0.00%   99.31%  0x00002b5c9e292180   cool::RecordSpecification::operator[](std::string const&) const</data4/w
    61  0.00%   99.92%  0x00002b5c9e293330   cool::RecordSpecification::operator[](unsigned int) const</data4/wilrome
     3  0.00%   99.99%  0x00002b5c9e292ca0   cool::RecordSpecification::operator=(cool::RecordSpecification const&)</
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  7  0.00%  99.99%   0x00002b5c9e2925e0   cool::RecordSpecification::RecordSpecification()</data4/wilrome/gauss/so
  2  0.00%  100.00%  0x00002b5c9e292de0   cool::RecordSpecification::RecordSpecification(cool::RecordSpecification
 41  0.00%  99.94%   0x00002b5c9e292640   cool::RecordSpecification::reset()</data4/wilrome/gauss/soft/lcg/externa
 65  0.00%  99.91%   0x00002b5c9e291de0   cool::RecordSpecification::size() const</data4/wilrome/gauss/soft/lcg/ex
  9  0.00%  99.98%   0x00002b5c9e293180   cool::RecordSpecification::validate(cool::IRecord const&, bool) const</d
  4  0.00%  99.99%   0x00002b5c9e292f30   cool::RecordSpecification::validate(coral::AttributeList const&, bool) c
  1  0.00%  100.00%  0x00002b5ca475e950   cool::RelationalDatabase::areReleaseAndSchemaCompatible(std::string, std
  1  0.00%  100.00%  0x00002b5ca47564a0   cool::RelationalDatabase::context() const</data4/wilrome/gauss/soft/lcg/
  3  0.00%  99.99%   0x00002b5ca47593f0   cool::RelationalDatabase::databaseAttributes() const</data4/wilrome/gaus
  9  0.00%  99.98%   0x00002b5ca475d650   cool::RelationalDatabase::decodeRecordSpecification(std::string const&)<
  1  0.00%  100.00%  0x00002b5ca4757540   cool::RelationalDatabase::existsFolderSet(std::string const&)</data4/wil
  1  0.00%  100.00%  0x00002b5ca47586c0   cool::RelationalDatabase::globalTagTableName() const</data4/wilrome/gaus
  7  0.00%  99.99%   0x00002b5ca4756520   cool::RelationalDatabase::isOpen() const</data4/wilrome/gauss/soft/lcg/e
  3  0.00%  99.99%   0x00002b5ca47564b0   cool::RelationalDatabase::log() const</data4/wilrome/gauss/soft/lcg/exte
  4  0.00%  99.99%   0x00002b5ca4757350   cool::RelationalDatabase::nodeMgr() const</data4/wilrome/gauss/soft/lcg/
  3  0.00%  99.99%   0x00002b5ca4758950   cool::RelationalDatabase::nodeTableName() const</data4/wilrome/gauss/sof
  2  0.00%  100.00%  0x00002b5ca4756fa0   cool::RelationalDatabase::objectMgr() const</data4/wilrome/gauss/soft/lc
  1  0.00%  100.00%  0x00002b5ca4766110   cool::RelationalDatabase::openDatabase()</data4/wilrome/gauss/soft/lcg/e
  5  0.00%  99.99%   0x00002b5ca4757820   cool::RelationalDatabase::queryMgr() const</data4/wilrome/gauss/soft/lcg
  2  0.00%  100.00%  0x00002b5ca4756990   cool::RelationalDatabase::storageType(std::string const&)</data4/wilrome
  2  0.00%  100.00%  0x00002b5ca4757f10   cool::RelationalDatabase::tag2TagTableName() const</data4/wilrome/gauss/
  4  0.00%  99.99%   0x00002b5ca4757170   cool::RelationalDatabase::tagMgr() const</data4/wilrome/gauss/soft/lcg/e
  4  0.00%  99.99%   0x00002b5ca4756db0   cool::RelationalDatabase::transactionMgr() const</data4/wilrome/gauss/so
  3  0.00%  99.99%   0x00002b5ca477f2c0   cool::RelationalFolder::__existsUserTag(std::string const&) const</data4
  5  0.00%  99.99%   0x00002b5ca4776e40   cool::RelationalFolder::~RelationalFolder()</data4/wilrome/gauss/soft/lc
  2  0.00%  100.00%  0x00002b5ca4774540   cool::RelationalFolder::channelTableName(coral::AttributeList const&)</d
  3  0.00%  99.99%   0x00002b5ca477f660   cool::RelationalFolder::existsUserTag(std::string const&) const</data4/w
  9  0.00%  99.98%   0x00002b5ca477e940   cool::RelationalFolder::existsUserTagInObjectTable(cool::RelationalQuery
  1  0.00%  100.00%  0x00002b5ca4772d90   cool::RelationalFolder::findObject(unsigned long long const&, unsigned i
  3  0.00%  99.99%   0x00002b5ca4772890   cool::RelationalFolder::folderAttributesSpecification(cool::FolderVersio
  3  0.00%  99.99%   0x00002b5ca4784590   cool::RelationalFolder::folderSpecification() const</data4/wilrome/gauss
  5  0.00%  99.99%   0x00002b5ca4775ee0   cool::RelationalFolder::initialize(coral::AttributeList const&)</data4/w
  4  0.00%  99.99%   0x00002b5ca47750a0   cool::RelationalFolder::isSupportedSchemaVersion(VersionNumber const&)</
  1  0.00%  100.00%  0x00002b5ca4772840   cool::RelationalFolder::log() const</data4/wilrome/gauss/soft/lcg/extern
  1  0.00%  100.00%  0x00002b5ca4774620   cool::RelationalFolder::object2TagTableName(coral::AttributeList const&)
  4  0.00%  99.99%   0x00002b5ca4772be0   cool::RelationalFolder::objectTableName() const</data4/wilrome/gauss/sof
  1  0.00%  100.00%  0x00002b5ca47845b0   cool::RelationalFolder::payloadSpecification() const</data4/wilrome/gaus
  3  0.00%  99.99%   0x00002b5ca4774990   cool::RelationalFolder::payloadSpecification(coral::AttributeList const&
  1  0.00%  100.00%  0x00002b5ca470d590   cool::RelationalFolder::RelationalFolder(boost::shared_ptr<cool::Relatio
  1  0.00%  100.00%  0x00002b5ca4779200   cool::RelationalFolder::tagTableName() const</data4/wilrome/gauss/soft/l
  1  0.00%  100.00%  0x00002b5ca4774700   cool::RelationalFolder::tagTableName(coral::AttributeList const&)</data4
  3  0.00%  99.99%   0x00002b5ca47845e0   cool::RelationalFolder::versioningMode() const</data4/wilrome/gauss/soft
  2  0.00%  100.00%  0x00002b5ca47748c0   cool::RelationalFolder::versioningMode(coral::AttributeList const&)</dat
  5  0.00%  99.99%   0x00002b5ca478af20   cool::RelationalGlobalTagTable::tableSpecification()</data4/wilrome/gaus
  3  0.00%  99.99%   0x00002b5ca478d760   cool::RelationalHvsNode::~RelationalHvsNode()</data4/wilrome/gauss/soft/
```

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  3  0.00%  99.99%   0x00002b5ca478d8a0   cool::RelationalHvsNode::RelationalHvsNode(boost::shared_ptr<cool::Relat
  7  0.00%  99.99%   0x00002b5ca478b900   cool::RelationalHvsNode::resolveTag(std::string const&) const</data4/wil
  1  0.00%  100.00%  0x00002b5ca478e4d0   cool::RelationalHvsNodeRecord::fullPath() const</data4/wilrome/gauss/sof
  1  0.00%  100.00%  0x00002b5ca478e520   cool::RelationalHvsNodeRecord::id() const</data4/wilrome/gauss/soft/lcg/
 11  0.00%  99.98%   0x00002b5ca478f410   cool::RelationalHvsNodeRecord::RelationalHvsNodeRecord(coral::AttributeL
  9  0.00%  99.98%   0x00002b5ca4790e30   cool::RelationalHvsTagRecord::fromRow(coral::AttributeList const&)</data
  5  0.00%  99.99%   0x00002b5ca47945c0   cool::RelationalNodeMgr::existsFolderSet(std::string const&)</data4/wilr
 13  0.00%  99.97%   0x00002b5ca4793b70   cool::RelationalNodeMgr::fetchNodeTableRow(std::string const&) const</da
 27  0.00%  99.95%   0x00002b5ca4792560   cool::RelationalNodeMgr::fetchNodeTableRow(std::string const&, coral::At
  8  0.00%  99.98%   0x00002b5ca4793260   cool::RelationalNodeMgr::fetchNodeTableRow(unsigned int) const</data4/wi
  3  0.00%  99.99%   0x00002b5ca4792210   cool::RelationalNodeMgr::queryMgr() const</data4/wilrome/gauss/soft/lcg/
 10  0.00%  99.98%   0x00002b5ca4796c10   cool::RelationalNodeMgr::resolveNodeHierarchy(unsigned int, unsigned int
  3  0.00%  99.99%   0x00002b5ca4799140   cool::RelationalNodeTable::tableSpecification(bool, bool)</data4/wilrome
 12  0.00%  99.98%   0x00002b5ca47987b0   cool::RelationalNodeTable::tableSpecification(VersionNumber const&, bool
  2  0.00%  100.00%  0x00002b5ca479c4f0   cool::RelationalObject::~RelationalObject()</data4/wilrome/gauss/soft/lc
  4  0.00%  99.99%   0x00002b5ca479b5b0   cool::RelationalObject::RelationalObject(coral::AttributeList const&, co
  5  0.00%  99.99%   0x00002b5ca47a1b20   cool::RelationalObjectTable::defaultSpecification()</data4/wilrome/gauss
 13  0.00%  99.97%   0x00002b5ca47a6e30   cool::RelationalObjectTable::objectCountInTag(unsigned long long const&,
  8  0.00%  99.98%   0x00002b5ca47a7eb0   cool::RelationalObjectTable::objectCountMV(unsigned long long const&, un
  5  0.00%  99.99%   0x00002b5ca47af210   cool::RelationalObjectTable::orderByClause(cool::ChannelSelection const&
  5  0.00%  99.99%   0x00002b5ca47a3cc0   cool::RelationalObjectTable::RelationalObjectTable(seal::Context*, std::
 10  0.00%  99.98%   0x00002b5ca47a2450   cool::RelationalObjectTable::tableSpecification(cool::IRecordSpecificati
 11  0.00%  99.98%   0x00002b5ca479ddd0   cool::RelationalObjectTable::whereClauseTag(cool::ChannelSelection const
 11  0.00%  99.98%   0x00002b5ca479e710   cool::RelationalObjectTable::whereDataTag(unsigned long long const&, uns
  3  0.00%  99.99%   0x00002b5ca47bf1f0   cool::RelationalQueryMgr::~RelationalQueryMgr()</data4/wilrome/gauss/sof
 90  0.00%  99.89%   0x00002b5ca4718610   cool::RelationalQueryMgr::columnList(cool::IRecordSpecification const&,
 20  0.00%  99.96%   0x00002b5ca47bfea0   cool::RelationalQueryMgr::fetchRowFromTables(std::vector<std::pair<std::
 12  0.00%  99.98%   0x00002b5ca47bf770   cool::RelationalQueryMgr::fetchRowsFromTables(std::vector<std::pair<std:
  1  0.00%  100.00%  0x00002b5ca47bf5e0   cool::RelationalQueryMgr::RelationalQueryMgr(seal::Context*)</data4/wilr
  2  0.00%  100.00%  0x00002b5ca47c0f10   cool::RelationalSequenceMgr::~RelationalSequenceMgr()</data4/wilrome/gau
  2  0.00%  100.00%  0x00002b5ca47c1300   cool::RelationalSequenceMgr::RelationalSequenceMgr(cool::RelationalQuery
  9  0.00%  99.98%   0x00002b5ca47c2fe0   cool::RelationalTableRow::~RelationalTableRow()</data4/wilrome/gauss/sof
  1  0.00%  100.00%  0x00002b5ca47c3000   cool::RelationalTableRow::~RelationalTableRow()</data4/wilrome/gauss/sof
  9  0.00%  99.98%   0x00002b5ca47c3080   cool::RelationalTableRow::RelationalTableRow(cool::RelationalTableRow co
 10  0.00%  99.98%   0x00002b5ca47c30e0   cool::RelationalTableRow::RelationalTableRow(coral::AttributeList const&
  9  0.00%  99.98%   0x00002b5ca47c2e70   cool::RelationalTableRowBase::~RelationalTableRowBase()</data4/wilrome/g
  5  0.00%  99.99%   0x00002b5ca47c2f20   cool::RelationalTableRowBase::RelationalTableRowBase(cool::RelationalTab
 10  0.00%  99.98%   0x00002b5ca47c2f80   cool::RelationalTableRowBase::RelationalTableRowBase(coral::AttributeLis
  5  0.00%  99.99%   0x00002b5ca47c3110   cool::RelationalTag2TagTable::tableSpecification()</data4/wilrome/gauss/
  3  0.00%  99.99%   0x00002b5ca47d07b0   cool::RelationalTagMgr::__findTagRecord(unsigned int, std::string const&
  1  0.00%  100.00%  0x00002b5ca47cb450   cool::RelationalTagMgr::__findTagRecord(unsigned int, unsigned int) cons
 10  0.00%  99.98%   0x00002b5ca47cdf10   cool::RelationalTagMgr::fetchGlobalTagTableRow(unsigned int, std::string
  6  0.00%  99.99%   0x00002b5ca47ca680   cool::RelationalTagMgr::fetchGlobalTagTableRow(unsigned int, unsigned in
  4  0.00%  99.99%   0x00002b5ca47d4e10   cool::RelationalTagMgr::fetchGlobalTagTableRowForNode(std::string const&
```

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12  0.00%  99.98%   0x00002b5ca47d3240   cool::RelationalTagMgr::fetchGlobalTagTableRows(std::string const&) cons
11  0.00%  99.98%   0x00002b5ca47c9830   cool::RelationalTagMgr::fetchTag2TagTableRow(unsigned int, unsigned int,
 2  0.00%  100.00%  0x00002b5ca47c37d0   cool::RelationalTagMgr::nodeMgr() const</data4/wilrome/gauss/soft/lcg/ex
 2  0.00%  100.00%  0x00002b5ca47c37c0   cool::RelationalTagMgr::queryMgr() const</data4/wilrome/gauss/soft/lcg/e
11  0.00%  99.98%   0x00002b5ca47d5800   cool::RelationalTagMgr::resolveTag(std::string const&, unsigned int) con
 1  0.00%  100.00%  0x00002b5ca47da330   cool::RelationalTransaction::~RelationalTransaction()</data4/wilrome/gau
 5  0.00%  99.99%   0x00002b5ca47da490   cool::RelationalTransaction::commit()</data4/wilrome/gauss/soft/lcg/exte
 6  0.00%  99.99%   0x00002b5ca47da4f0   cool::RelationalTransaction::RelationalTransaction(boost::shared_ptr<coo
 1  0.00%  100.00%  0x00002b5ca47da2d0   cool::RelationalTransaction::rollback()</data4/wilrome/gauss/soft/lcg/ex
 1  0.00%  100.00%  0x00002b5c9e294ac0   cool::SealTime::~SealTime()</data4/wilrome/gauss/soft/lcg/external/COOL/
 3  0.00%  99.99%   0x00002b5c9e294b30   cool::SealTime::SealTime()</data4/wilrome/gauss/soft/lcg/external/COOL/C
79  0.00%  99.90%   0x00002b5c9e297140   cool::StorageType::cppType() const</data4/wilrome/gauss/soft/lcg/externa
 4  0.00%  99.99%   0x00002b5c9e296cc0   cool::StorageType::maxSize() const</data4/wilrome/gauss/soft/lcg/externa
92  0.00%  99.89%   0x00002b5c9e2961b0   cool::StorageType::storageType(cool::StorageType::TypeId const&)</data4/
22  0.00%  99.96%   0x00002b5c9e297c50   cool::StorageType::validate(std::type_info const&, void const*, std::str
 5  0.00%  99.99%   0x00002b5ca46ea410   cool::stringToTime(std::string const&)</data4/wilrome/gauss/soft/lcg/ext
 4  0.00%  99.99%   0x00002b5c9e298be0   cool::Time::~Time()</data4/wilrome/gauss/soft/lcg/external/COOL/COOL_2_2
 1  0.00%  100.00%  0x00002b5c9e299f70   cool::Time::day() const</data4/wilrome/gauss/soft/lcg/external/COOL/COOL
 2  0.00%  100.00%  0x00002b5c9e299f80   cool::Time::hour() const</data4/wilrome/gauss/soft/lcg/external/COOL/COO
 2  0.00%  100.00%  0x00002b5c9e299f60   cool::Time::month() const</data4/wilrome/gauss/soft/lcg/external/COOL/CO
 1  0.00%  100.00%  0x00002b5c9e299090   cool::Time::Time(cool::ITime const&)</data4/wilrome/gauss/soft/lcg/exter
 1  0.00%  100.00%  0x00002b5c9e298ed0   cool::Time::Time(cool::Time const&)</data4/wilrome/gauss/soft/lcg/extern
 3  0.00%  99.99%   0x00002b5c9e298e00   cool::Time::Time(int, int, int, int, int, int, long)</data4/wilrome/gaus
 5  0.00%  99.99%   0x00002b5ca47da820   cool::TimingReportMgr::isActive()</data4/wilrome/gauss/soft/lcg/external
 1  0.00%  100.00%  0x00002b5ca47da810   cool::TimingReportMgr::pTimingReport()</data4/wilrome/gauss/soft/lcg/ext
 5  0.00%  99.99%   0x00002b5ca4f7a060   copyPayload</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
 2  0.00%  100.00%  0x00002b5c9e3bbda0   coral::AttibuteTemplatedData<bool>::~AttibuteTemplatedData()</data4/wilr
 7  0.00%  99.99%   0x00002b5c9e3bbee0   coral::AttibuteTemplatedData<bool>::addressOfData()</data4/wilrome/gauss
 2  0.00%  100.00%  0x00002b5c9e3b7df0   coral::AttibuteTemplatedData<bool>::isNull() const</data4/wilrome/gauss/
 2  0.00%  100.00%  0x00002b5c9e3bbe00   coral::AttibuteTemplatedData<bool>::setNull(bool)</data4/wilrome/gauss/s
 3  0.00%  99.99%   0x00002b5c9e3ba230   coral::AttibuteTemplatedData<int>::~AttibuteTemplatedData()</data4/wilro
 8  0.00%  99.98%   0x00002b5c9e3ba3c0   coral::AttibuteTemplatedData<int>::addressOfData()</data4/wilrome/gauss/
 3  0.00%  99.99%   0x00002b5c9e3ba2d0   coral::AttibuteTemplatedData<int>::isNull() const</data4/wilrome/gauss/s
 9  0.00%  99.98%   0x00002b5c9e3ba290   coral::AttibuteTemplatedData<int>::setNull(bool)</data4/wilrome/gauss/so
 2  0.00%  100.00%  0x00002b5c9e3ba440   coral::AttibuteTemplatedData<int>::setValueFromAddress(void const*)</dat
83  0.00%  99.89%   0x00002b5c9e3bc540   coral::AttibuteTemplatedData<std::string>::~AttibuteTemplatedData()</dat
77  0.00%  99.90%   0x00002b5c9e3bc6e0   coral::AttibuteTemplatedData<std::string>::addressOfData()</data4/wilrom
 1  0.00%  100.00%  0x00002b5c9e3bc760   coral::AttibuteTemplatedData<std::string>::bind(void*)</data4/wilrome/ga
40  0.00%  99.94%   0x00002b5c9e3bc690   coral::AttibuteTemplatedData<std::string>::isNull() const</data4/wilrome
63  0.00%  99.91%   0x00002b5c9e3bc650   coral::AttibuteTemplatedData<std::string>::setNull(bool)</data4/wilrome/
33  0.00%  99.94%   0x00002b5c9e3bc8b0   coral::AttibuteTemplatedData<std::string>::setValueFromAddress(void cons
25  0.00%  99.95%   0x00002b5c9e3b9e00   coral::AttibuteTemplatedData<unsigned int>::~AttibuteTemplatedData()</da
29  0.00%  99.95%   0x00002b5c9e3b9f90   coral::AttibuteTemplatedData<unsigned int>::addressOfData()</data4/wilro
 9  0.00%  99.98%   0x00002b5c9e3b9ea0   coral::AttibuteTemplatedData<unsigned int>::isNull() const</data4/wilrom
19  0.00%  99.96%   0x00002b5c9e3b9e60   coral::AttibuteTemplatedData<unsigned int>::setNull(bool)</data4/wilrome
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  8  0.00%  99.98%   0x00002b5c9e3ba010   coral::AttibuteTemplatedData<unsigned int>::setValueFromAddress(void con
  1  0.00%  100.00%  0x00002b5c9e3b8d40   coral::AttibuteTemplatedData<unsigned long long>::~AttibuteTemplatedData
  1  0.00%  100.00%  0x00002b5c9e3b8ed0   coral::AttibuteTemplatedData<unsigned long long>::addressOfData()</data4
  2  0.00%  100.00%  0x00002b5c9e3b8de0   coral::AttibuteTemplatedData<unsigned long long>::isNull() const</data4/
  3  0.00%  99.99%   0x00002b5c9e3b8da0   coral::AttibuteTemplatedData<unsigned long long>::setNull(bool)</data4/w
  1  0.00%  100.00%  0x00002b5c9e3b8f50   coral::AttibuteTemplatedData<unsigned long long>::setValueFromAddress(vo
  3  0.00%  99.99%   0x00002b5c9e3ba670   coral::AttibuteTemplatedData<unsigned short>::~AttibuteTemplatedData()</
  7  0.00%  99.99%   0x00002b5c9e3ba800   coral::AttibuteTemplatedData<unsigned short>::addressOfData()</data4/wil
  3  0.00%  99.99%   0x00002b5c9e3ba710   coral::AttibuteTemplatedData<unsigned short>::isNull() const</data4/wilr
  5  0.00%  99.99%   0x00002b5c9e3ba6d0   coral::AttibuteTemplatedData<unsigned short>::setNull(bool)</data4/wilro
  9  0.00%  99.98%   0x00002b5c9e3ba880   coral::AttibuteTemplatedData<unsigned short>::setValueFromAddress(void c
133  0.00%  99.85%   0x00002b5c9e3c0770   coral::Attribute::~Attribute()</data4/wilrome/gauss/soft/lcg/external/CO
 62  0.00%  99.91%   0x00002b5c9e3c07a0   coral::Attribute::addressOfData() const</data4/wilrome/gauss/soft/lcg/ex
 44  0.00%  99.93%   0x00002b5c9e3c0860   coral::Attribute::addressOfData()</data4/wilrome/gauss/soft/lcg/external
 35  0.00%  99.94%   0x00002b5c9e3c0700   coral::Attribute::Attribute(coral::AttributeSpecification const&)</data4
  5  0.00%  99.99%   0x00002b5c9e3c0870   coral::Attribute::bindUnsafely(void const*)</data4/wilrome/gauss/soft/lc
 61  0.00%  99.92%   0x00002b5c9e3c0800   coral::Attribute::fastCopy(coral::Attribute const&)</data4/wilrome/gauss
 43  0.00%  99.93%   0x00002b5c9e3c07c0   coral::Attribute::isNull() const</data4/wilrome/gauss/soft/lcg/external/
 46  0.00%  99.93%   0x00002b5c9e3c07e0   coral::Attribute::setNull(bool)</data4/wilrome/gauss/soft/lcg/external/C
  8  0.00%  99.98%   0x00002b5c9e3c09e0   coral::Attribute::setValue(std::type_info const&, void const*)</data4/wi
 21  0.00%  99.96%   0x00002b5c9e3c07b0   coral::Attribute::setValueFromAddress(void const*)</data4/wilrome/gauss/
 20  0.00%  99.96%   0x00002b5c9e3c13b0   coral::Attribute::shareData(coral::Attribute const&)</data4/wilrome/gaus
222  0.00%  99.79%   0x00002b5c9e3b7740   coral::AttributeDataFactory::create(std::type_info const&) const</data4/
 34  0.00%  99.94%   0x00002b5c9e3b70b0   coral::AttributeDataFactory::factory()</data4/wilrome/gauss/soft/lcg/ext
 73  0.00%  99.90%   0x00002b5c9e3bd960   coral::AttributeList::~AttributeList()</data4/wilrome/gauss/soft/lcg/ext
 13  0.00%  99.97%   0x00002b5c9e3bda60   coral::AttributeList::AttributeList()</data4/wilrome/gauss/soft/lcg/exte
114  0.00%  99.87%   0x00002b5c9e3be0e0   coral::AttributeList::AttributeList(coral::AttributeList const&)</data4/
  1  0.00%  100.00%  0x00002b5c9e3bdf50   coral::AttributeList::extend(std::string const&, std::string const&)</da
 60  0.00%  99.92%   0x00002b5c9e3bdb40   coral::AttributeList::extend(std::string const&, std::type_info const&)<
 14  0.00%  99.97%   0x00002b5c9e3bd1c0   coral::AttributeList::operator[](std::string) const</data4/wilrome/gauss
 25  0.00%  99.95%   0x00002b5c9e3bd590   coral::AttributeList::operator[](std::string)</data4/wilrome/gauss/soft/
  6  0.00%  99.99%   0x00002b5c9e3bcbc0   coral::AttributeList::operator[](unsigned int) const</data4/wilrome/gaus
 23  0.00%  99.96%   0x00002b5c9e3bcf20   coral::AttributeList::operator[](unsigned int)</data4/wilrome/gauss/soft
 17  0.00%  99.97%   0x00002b5c9e3be700   coral::AttributeList::operator=(coral::AttributeList const&)</data4/wilr
 79  0.00%  99.90%   0x00002b5c9e3bf240   coral::AttributeListSpecification::~AttributeListSpecification()</data4/
 12  0.00%  99.98%   0x00002b5c9e3bf3a0   coral::AttributeListSpecification::AttributeListSpecification()</data4/w
155  0.00%  99.84%   0x00002b5c9e3bfb30   coral::AttributeListSpecification::AttributeListSpecification(coral::Att
  2  0.00%  100.00%  0x00002b5c9e3bfaf0   coral::AttributeListSpecification::extend(std::string const&, std::strin
117  0.00%  99.87%   0x00002b5c9e3bf440   coral::AttributeListSpecification::extend(std::string const&, std::type_
 13  0.00%  99.97%   0x00002b5c9e3bf210   coral::AttributeListSpecification::index(std::string const&) const</data
 21  0.00%  99.96%   0x00002b5c9e3bf2e0   coral::AttributeListSpecification::release() const</data4/wilrome/gauss/
 14  0.00%  99.97%   0x00002b5c9e3bee00   coral::AttributeListSpecification::specificationForAttribute(int) const<
129  0.00%  99.86%   0x00002b5c9e3c2220   coral::AttributeSpecification::~AttributeSpecification()</data4/wilrome/
 12  0.00%  99.98%   0x00002b5c9e3c2740   coral::AttributeSpecification::AttributeSpecification(std::string const&
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  2  0.00%  100.00%  0x00002b5c9e3c2860   coral::AttributeSpecification::typeIdForName(std::string const&)</data4/
 58  0.00%  99.92%   0x00002b5c9e3c22e0   coral::AttributeSpecification::validateType(std::type_info const&)</data
 26  0.00%  99.95%   0x00002b5c9e4e35c0   coral::Column::name() const</data4/wilrome/gauss/soft/lcg/external/CORAL
 17  0.00%  99.97%   0x00002b5ca4a4c450   coral::ConnectionService::ConnectionHandle::isValid() const</data4/wilro
  1  0.00%  100.00%  0x00002b5ca4a4c390   coral::ConnectionService::ConnectionHandle::technologyName() const</data
  2  0.00%  100.00%  0x00002b5ca4a67a70   coral::ConnectionService::SessionHandle::connection() const</data4/wilro
 11  0.00%  99.98%   0x00002b5ca4a67a80   coral::ConnectionService::SessionHandle::isOpen() const</data4/wilrome/g
 15  0.00%  99.97%   0x00002b5ca4a67ad0   coral::ConnectionService::SessionHandle::isValid() const</data4/wilrome/
  3  0.00%  99.99%   0x00002b5ca4a67a50   coral::ConnectionService::SessionHandle::physicalSession()</data4/wilrom
 13  0.00%  99.97%   0x00002b5ca4a6a200   coral::ConnectionService::SessionProxy::nominalSchema()</data4/wilrome/g
  4  0.00%  99.99%   0x00002b5ca4a6a670   coral::ConnectionService::SessionProxy::properties()</data4/wilrome/gaus
  2  0.00%  100.00%  0x00002b5ca4dffcd0   coral::SQLiteAccess::ColumnProxy::ColumnProxy(coral::IColumn const&, cor
 30  0.00%  99.95%   0x00002b5ca4dffe00   coral::SQLiteAccess::ColumnProxy::name() const</data4/wilrome/gauss/soft
  3  0.00%  99.99%   0x00002b5ca4dffef0   coral::SQLiteAccess::Connection::isConnected(bool)</data4/wilrome/gauss/
  3  0.00%  99.99%   0x00002b5ca4e03f40   coral::SQLiteAccess::ConnectionProperties::typeConverter()</data4/wilrom
  5  0.00%  99.99%   0x00002b5ca4e04630   coral::SQLiteAccess::Cursor::~Cursor()</data4/wilrome/gauss/soft/lcg/ext
  8  0.00%  99.98%   0x00002b5ca4e045d0   coral::SQLiteAccess::Cursor::close()</data4/wilrome/gauss/soft/lcg/exter
  3  0.00%  99.99%   0x00002b5ca4e045c0   coral::SQLiteAccess::Cursor::currentRow() const</data4/wilrome/gauss/sof
 17  0.00%  99.97%   0x00002b5ca4e045a0   coral::SQLiteAccess::Cursor::Cursor(coral::SQLiteAccess::SQLiteStatement
 14  0.00%  99.97%   0x00002b5ca4e046f0   coral::SQLiteAccess::Cursor::next()</data4/wilrome/gauss/soft/lcg/extern
  2  0.00%  100.00%  0x00002b5ca4e04bf0   coral::SQLiteAccess::DataEditor::DataEditor(coral::SQLiteAccess::Session
 12  0.00%  99.98%   0x00002b5ca4e160d0   coral::SQLiteAccess::Query::~Query()</data4/wilrome/gauss/soft/lcg/exter
 11  0.00%  99.98%   0x00002b5ca4e15930   coral::SQLiteAccess::Query::defineOutput(coral::AttributeList&)</data4/w
 28  0.00%  99.95%   0x00002b5ca4e15b30   coral::SQLiteAccess::Query::execute()</data4/wilrome/gauss/soft/lcg/exte
 15  0.00%  99.97%   0x00002b5ca4e16430   coral::SQLiteAccess::Query::Query(coral::SQLiteAccess::SessionProperties
  3  0.00%  99.99%   0x00002b5ca4e15560   coral::SQLiteAccess::Query::setRowCacheSize(int)</data4/wilrome/gauss/so
 41  0.00%  99.94%   0x00002b5ca4e0ddc0   coral::SQLiteAccess::QueryDefinition::~QueryDefinition()</data4/wilrome/
  3  0.00%  99.99%   0x00002b5ca4e11c20   coral::SQLiteAccess::QueryDefinition::addToOrderList(std::string const&)
 33  0.00%  99.94%   0x00002b5ca4e0f5e0   coral::SQLiteAccess::QueryDefinition::addToOutputList(std::string const&
 16  0.00%  99.97%   0x00002b5ca4e0edf0   coral::SQLiteAccess::QueryDefinition::addToTableList(std::string const&,
 10  0.00%  99.98%   0x00002b5ca4e133e0   coral::SQLiteAccess::QueryDefinition::bindData() const</data4/wilrome/ga
  9  0.00%  99.98%   0x00002b5ca4e132a0   coral::SQLiteAccess::QueryDefinition::outputVariables() const</data4/wil
117  0.00%  99.87%   0x00002b5ca4e11f50   coral::SQLiteAccess::QueryDefinition::process()</data4/wilrome/gauss/sof
 11  0.00%  99.98%   0x00002b5ca4e0e9f0   coral::SQLiteAccess::QueryDefinition::QueryDefinition(coral::SQLiteAcces
  5  0.00%  99.99%   0x00002b5ca4e0c190   coral::SQLiteAccess::QueryDefinition::sessionProperties() const</data4/w
  9  0.00%  99.98%   0x00002b5ca4e0c730   coral::SQLiteAccess::QueryDefinition::setCondition(std::string const&, c
 17  0.00%  99.97%   0x00002b5ca4e13410   coral::SQLiteAccess::QueryDefinition::sqlFragment() const</data4/wilrome
  8  0.00%  99.98%   0x00002b5ca4e1bd20   coral::SQLiteAccess::Schema::existsTable(std::string const&) const</data
 11  0.00%  99.98%   0x00002b5ca4e17970   coral::SQLiteAccess::Schema::newQuery() const</data4/wilrome/gauss/soft/
  9  0.00%  99.98%   0x00002b5ca4e1b170   coral::SQLiteAccess::Schema::tableHandle(std::string const&)</data4/wilr
  7  0.00%  99.99%   0x00002b5ca4e1fd50   coral::SQLiteAccess::Session::isUserSessionActive() const</data4/wilrome
 13  0.00%  99.97%   0x00002b5ca4e202f0   coral::SQLiteAccess::Session::nominalSchema()</data4/wilrome/gauss/soft/
 25  0.00%  99.95%   0x00002b5ca4e20850   coral::SQLiteAccess::Session::transaction()</data4/wilrome/gauss/soft/lc
  3  0.00%  99.99%   0x00002b5ca4e22070   coral::SQLiteAccess::SessionProperties::dbHandle() const</data4/wilrome/
 11  0.00%  99.98%   0x00002b5ca4e22020   coral::SQLiteAccess::SessionProperties::domainProperties() const</data4/
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  15  0.00%  99.97%   0x00002b5ca4e220c0   coral::SQLiteAccess::SessionProperties::isTransactionActive() const</dat
   2  0.00%  100.00%  0x00002b5ca4e22090   coral::SQLiteAccess::SessionProperties::monitoringService() const</data4
   5  0.00%  99.99%   0x00002b5ca4e220e0   coral::SQLiteAccess::SessionProperties::schema() const</data4/wilrome/ga
   2  0.00%  100.00%  0x00002b5ca4e223f0   coral::SQLiteAccess::SessionProperties::schemaName() const</data4/wilrom
   3  0.00%  99.99%   0x00002b5ca4e22040   coral::SQLiteAccess::SessionProperties::typeConverter() const</data4/wil
   3  0.00%  99.99%   0x00002b5ca4e229c0   coral::SQLiteAccess::SQLiteExpressionParser::~SQLiteExpressionParser()</
  48  0.00%  99.93%   0x00002b5ca4e22bf0   coral::SQLiteAccess::SQLiteExpressionParser::addToTableList(std::string
 100  0.00%  99.88%   0x00002b5ca4e22450   coral::SQLiteAccess::SQLiteExpressionParser::decorateWord(std::string co
 900  0.00%  99.39%   0x00002b5ca4e233b0   coral::SQLiteAccess::SQLiteExpressionParser::parseExpression(std::string
   4  0.00%  99.99%   0x00002b5ca4e22aa0   coral::SQLiteAccess::SQLiteExpressionParser::SQLiteExpressionParser()</d
  10  0.00%  99.98%   0x00002b5ca4e24ab0   coral::SQLiteAccess::SQLiteStatement::~SQLiteStatement()</data4/wilrome/
  97  0.00%  99.88%   0x00002b5ca4e273b0   coral::SQLiteAccess::SQLiteStatement::bind(coral::AttributeList const&)<
 217  0.00%  99.79%   0x00002b5ca4e26200   coral::SQLiteAccess::SQLiteStatement::defineOutput(coral::AttributeList&
  23  0.00%  99.96%   0x00002b5ca4e25d70   coral::SQLiteAccess::SQLiteStatement::fetchNext()</data4/wilrome/gauss/s
  28  0.00%  99.95%   0x00002b5ca4e256a0   coral::SQLiteAccess::SQLiteStatement::prepare(std::string const&)</data4
  10  0.00%  99.98%   0x00002b5ca4e25af0   coral::SQLiteAccess::SQLiteStatement::reset()</data4/wilrome/gauss/soft/
   3  0.00%  99.99%   0x00002b5ca4e24a80   coral::SQLiteAccess::SQLiteStatement::setNumberOfPrefetchedRows(unsigned
   7  0.00%  99.99%   0x00002b5ca4e259b0   coral::SQLiteAccess::SQLiteStatement::SQLiteStatement(coral::SQLiteAcces
   4  0.00%  99.99%   0x00002b5ca4e24a70   coral::SQLiteAccess::SQLiteStatement::step()</data4/wilrome/gauss/soft/l
   8  0.00%  99.98%   0x00002b5ca4e398d0   coral::SQLiteAccess::Table::description() const</data4/wilrome/gauss/sof
   5  0.00%  99.99%   0x00002b5ca4e39a30   coral::SQLiteAccess::Table::Table(coral::SQLiteAccess::SessionProperties
  40  0.00%  99.94%   0x00002b5ca4e2be50   coral::SQLiteAccess::TableDescriptionProxy::columnDescription(int) const
  16  0.00%  99.97%   0x00002b5ca4e29f30   coral::SQLiteAccess::TableDescriptionProxy::name() const</data4/wilrome/
   8  0.00%  99.98%   0x00002b5ca4e2c130   coral::SQLiteAccess::TableDescriptionProxy::numberOfColumns() const</dat
  26  0.00%  99.95%   0x00002b5ca4e2afb0   coral::SQLiteAccess::TableDescriptionProxy::readColumnDescription()</dat
   3  0.00%  99.99%   0x00002b5ca4e2a210   coral::SQLiteAccess::TableDescriptionProxy::TableDescriptionProxy(coral:
  10  0.00%  99.98%   0x00002b5ca4e39ec0   coral::SQLiteAccess::Transaction::isActive() const</data4/wilrome/gauss/
   1  0.00%  100.00%  0x00002b5ca4e3b420   coral::SQLiteAccess::TypeConverter::cppTypeForSqlType(std::string const&
   5  0.00%  99.99%   0x00002b5c9e4d8b80   coral::TableDescription::columnDescription(int) const</data4/wilrome/gau
 199  0.00%  99.80%   0x00002b5c9e4e07a0   coral::TableDescription::insertColumn(std::string const&, std::string co
  11  0.00%  99.98%   0x00002b5c9e4d8dd0   coral::TableDescription::name() const</data4/wilrome/gauss/soft/lcg/exte
   5  0.00%  99.99%   0x00002b5c9e4d8970   coral::TableDescription::numberOfColumns() const</data4/wilrome/gauss/so
  11  0.00%  99.98%   0x00002b5c9e4d9900   coral::TableDescription::setNotNullConstraint(std::string const&, bool)<
   6  0.00%  99.99%   0x00002b5c9e4da4d0   coral::TableDescription::setPrimaryKey(std::vector<std::string, std::all
   3  0.00%  99.99%   0x00002b5c9e4dc230   coral::TableDescription::TableDescription(std::string)</data4/wilrome/ga
   2  0.00%  100.00%  0x00002b5ca4f8d620   countFinalize</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_a
 243  0.00%  99.77%   0x00002aaaab4e04e0   cpyr_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generators/v7
  24  0.00%  99.96%   0x00002b5ca4fadba0   createVarMap</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_am
   3  0.00%  100.00%  0x00002aaaabc2ee00   cross(EvtVector3R const&, EvtVector3R const&)</data4/wilrome/gauss/soft/
4322  0.01%  98.40%   0x000000306151af40   csloww</lib64/tls/libm-2.3.4.so>
4933  0.01%  98.26%   0x000000306151b4a0   csloww1</lib64/tls/libm-2.3.4.so>
   5  0.00%  99.99%   0x00002aaaab4e1600   ctlhevolve_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generat
1060  0.00%  99.32%   0x00002aaaab4e2c10   ctlhhinteg_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generat
  34  0.00%  99.94%   0x00002aaaab4e2e30   ctlhintegr_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generat
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   7  0.00%  99.99%   0x00002aaaab4e4330   ctlhnsevl_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generato
2374  0.00%  98.90%   0x00002aaaab4e4d40   ctlhpardis_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generat
 259  0.00%  99.76%   0x00002aaaacb48fc0   ctlhpolint4_</data4/wilrome/gauss/soft/lcg/external/MCGenerators/lhapdf/
  88  0.00%  99.89%   0x00002aaaab4e7bf0   ctlhsmpsna_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generat
   3  0.00%  100.00%  0x00002aaaab4e7ed0   ctlhsnevl_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generato
   6  0.00%  99.99%   0x00002aaaab4e85e0   ctlhsnrhs_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generato
   5  0.00%  99.99%   0x00002aaaab4eb190   ctlhxarray_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generat
   1  0.00%  100.00%  0x00002aaaab4ec2f0   ctlhzbrnt_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Generato
  14  0.00%  99.97%   0x00002b5c96d15240   DataObject::~DataObject()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
   1  0.00%  100.00%  0x00002b5c96d152c0   DataObject::~DataObject()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
  36  0.00%  99.94%   0x00002b5c96d15340   DataObject::addRef()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/Ga
   2  0.00%  100.00%  0x00002b5c96d15350   DataObject::clID() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
  29  0.00%  99.95%   0x00002b5c96d15140   DataObject::DataObject()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
   1  0.00%  100.00%  0x00002b5c96d15180   DataObject::DataObject()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
   8  0.00%  99.99%   0x00002b5c96d15310   DataObject::release()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/G
   1  0.00%  100.00%  0x00002b5c96d1bd10   DataSvc::createDefaultObject() const</data4/wilrome/gauss/soft/lhcb/GAUD
   1  0.00%  100.00%  0x00002b5c96d1bd70   DataSvc::findObject(IRegistry*, std::string const&, DataObject*&)</data4
   4  0.00%  99.99%   0x00002b5c96d1bd60   DataSvc::getDataLoader(IRegistry*)</data4/wilrome/gauss/soft/lhcb/GAUDI/
 108  0.00%  99.87%   0x00002b5c96d217f0   DataSvc::loadObject(IConversionSvc*, IRegistry*)</data4/wilrome/gauss/so
  18  0.00%  99.97%   0x00002b5c96d1b2f0   DataSvc::loadObject(IRegistry*)</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
   7  0.00%  99.99%   0x00002b5c96d1ac60   DataSvc::objectLeaves(DataObject const*, std::vector<IRegistry*, std::al
  17  0.00%  99.97%   0x00002b5c96d23cf0   DataSvc::objectLeaves(IRegistry const*, std::vector<IRegistry*, std::all
   2  0.00%  100.00%  0x00002b5c96d1ab50   DataSvc::objectParent(DataObject const*, IRegistry*&)</data4/wilrome/gau
   2  0.00%  100.00%  0x00002b5c96d1ab90   DataSvc::objectParent(IRegistry const*, IRegistry*&)</data4/wilrome/gaus
   1  0.00%  100.00%  0x00002b5c96d1bf10   DataSvc::preLoad()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/Gaud
  52  0.00%  99.92%   0x00002b5c96d1bb70   DataSvc::queryInterface(InterfaceID const&, void**)</data4/wilrome/gauss
  51  0.00%  99.92%   0x00002b5c96d235b0   DataSvc::registerAddress(IRegistry*, std::string const&, IOpaqueAddress*
  29  0.00%  99.95%   0x00002b5c96d20f30   DataSvc::registerObject(DataObject*, std::string const&, DataObject*)</d
   3  0.00%  100.00%  0x00002b5c96d1ad00   DataSvc::registerObject(std::string const&, DataObject*)</data4/wilrome/
   1  0.00%  100.00%  0x00002b5c96d1ad20   DataSvc::registerObject(std::string const&, std::string const&, DataObje
 568  0.00%  99.57%   0x00002b5c96d20230   DataSvc::retrieveEntry(DataSvcHelpers::RegistryEntry*, std::string const
  50  0.00%  99.93%   0x00002b5c96d20e70   DataSvc::retrieveObject(IRegistry*, std::string const&, DataObject*&)</d
  16  0.00%  99.97%   0x00002b5c96d1b350   DataSvc::retrieveObject(std::string const&, DataObject*&)</data4/wilrome
   5  0.00%  99.99%   0x00002b5c96d1a660   DataSvc::traverseSubTree(DataObject*, IDataStoreAgent*)</data4/wilrome/g
  92  0.00%  99.89%   0x00002b5c96e5e110   DataSvcHelpers::RegistryEntry::~RegistryEntry()</data4/wilrome/gauss/sof
  31  0.00%  99.95%   0x00002b5c96e5e780   DataSvcHelpers::RegistryEntry::add(IRegistry*)</data4/wilrome/gauss/soft
   5  0.00%  99.99%   0x00002b5c96e5ddd0   DataSvcHelpers::RegistryEntry::add(std::string const&, DataObject*, bool
  20  0.00%  99.96%   0x00002b5c96e5dd50   DataSvcHelpers::RegistryEntry::add(std::string const&, IOpaqueAddress*,
  13  0.00%  99.98%   0x00002b5c96e5e910   DataSvcHelpers::RegistryEntry::address() const</data4/wilrome/gauss/soft
  61  0.00%  99.92%   0x00002b5c96e5d0d0   DataSvcHelpers::RegistryEntry::assemblePath(std::string&) const</data4/w
   1  0.00%  100.00%  0x00002b5c96e5e8f0   DataSvcHelpers::RegistryEntry::dataSvc() const</data4/wilrome/gauss/soft
  86  0.00%  99.89%   0x00002b5c96e5e080   DataSvcHelpers::RegistryEntry::deleteElements()</data4/wilrome/gauss/sof
1326  0.00%  99.23%   0x00002b5c96e5db70   DataSvcHelpers::RegistryEntry::i_add(std::string const&)</data4/wilrome/
1801  0.00%  99.05%   0x00002b5c96e5d460   DataSvcHelpers::RegistryEntry::i_find(std::string const&) const</data4/w
  28  0.00%  99.95%   0x00002b5c96e5e8e0   DataSvcHelpers::RegistryEntry::identifier() const</data4/wilrome/gauss/s
```

```
   17  0.00%  99.97%   0x00002b5c96e5e930   DataSvcHelpers::RegistryEntry::isSoft() const</data4/wilrome/gauss/soft/
    4  0.00%  99.99%   0x00002b5c96e5cf70   DataSvcHelpers::RegistryEntry::makeHard(DataObject*)</data4/wilrome/gaus
   11  0.00%  99.98%   0x00002b5c96e5cfb0   DataSvcHelpers::RegistryEntry::makeHard(IOpaqueAddress*)</data4/wilrome/
    3  0.00%  100.00%  0x00002b5c96e5cf50   DataSvcHelpers::RegistryEntry::makeSoft(DataObject*)</data4/wilrome/gaus
  161  0.00%  99.83%   0x00002b5c96e5e8d0   DataSvcHelpers::RegistryEntry::name() const</data4/wilrome/gauss/soft/lh
   81  0.00%  99.90%   0x00002b5c96e5e900   DataSvcHelpers::RegistryEntry::object() const</data4/wilrome/gauss/soft/
    2  0.00%  100.00%  0x00002b5c96e5e920   DataSvcHelpers::RegistryEntry::parent() const</data4/wilrome/gauss/soft/
   39  0.00%  99.94%   0x00002b5c96e5d950   DataSvcHelpers::RegistryEntry::RegistryEntry(std::string const&, DataSvc
    2  0.00%  100.00%  0x00002b5c96e5cea0   DataSvcHelpers::RegistryEntry::release()</data4/wilrome/gauss/soft/lhcb/
   13  0.00%  99.98%   0x00002b5c96e5cfc0   DataSvcHelpers::RegistryEntry::setAddress(IOpaqueAddress*)</data4/wilrom
   21  0.00%  99.96%   0x00002b5c96e5ced0   DataSvcHelpers::RegistryEntry::setObject(DataObject*)</data4/wilrome/gau
   12  0.00%  99.98%   0x00002b5c96e5d300   DataSvcHelpers::RegistryEntry::setParent(DataSvcHelpers::RegistryEntry*)
    9  0.00%  99.98%   0x00002b5c96e5d030   DataSvcHelpers::RegistryEntry::traverseTree(IDataStoreAgent*, int)</data
   21  0.00%  99.96%   0x00002aaac0446130   DeCalorimeter::buildCards()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
  239  0.00%  99.77%   0x00002aaac044b040   DeCalorimeter::buildCells()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
   33  0.00%  99.95%   0x00002aaac044c2f0   DeCalorimeter::buildMonitoringSystem()</data4/wilrome/gauss/soft/lhcb/LH
   25  0.00%  99.95%   0x00002b5ca4f78b00   decodeFlags</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
26378  0.04%  93.47%   0x00002b5c97c205d0   deflate_fast</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_a
   18  0.00%  99.97%   0x00002b5c97c1f1f0   deflate</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64_
    4  0.00%  99.99%   0x00002b5c97c1ee30   deflateEnd</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
    6  0.00%  99.99%   0x00002b5c97c1fce0   deflateInit_</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_a
    8  0.00%  99.99%   0x00002b5c97c1f9b0   deflateInit2_</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
   10  0.00%  99.98%   0x00002b5c97c1f820   deflateReset</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_a
   15  0.00%  99.97%   0x00002aaac10ae6c0   DeITBox::findLayer(ROOT::Math::PositionVector3D<ROOT::Math::Cartesian3D<
    3  0.00%  100.00%  0x00002aaac10ae7c0   DeITBox::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det
   39  0.00%  99.94%   0x00002aaac10b3090   DeITDetector::findSector(ROOT::Math::PositionVector3D<ROOT::Math::Cartes
    1  0.00%  100.00%  0x00002aaac10b3950   DeITDetector::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
    2  0.00%  100.00%  0x00002aaac10b5940   DeITLadder::DeITLadder(std::string const&)</data4/wilrome/gauss/soft/lhc
    2  0.00%  100.00%  0x00002aaac10b5d60   DeITLadder::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/
    1  0.00%  100.00%  0x00002aaac10b73d0   DeITLayer::DeITLayer(std::string const&)</data4/wilrome/gauss/soft/lhcb/
   26  0.00%  99.95%   0x00002aaac10b7640   DeITLayer::findLadder(ROOT::Math::PositionVector3D<ROOT::Math::Cartesian
    2  0.00%  100.00%  0x00002aaac10b9720   DeITSector::DeITSector(std::string const&)</data4/wilrome/gauss/soft/lhc
    2  0.00%  100.00%  0x00002aaac10b9a40   DeITSector::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/
   12  0.00%  99.98%   0x00002aaac10ba8a0   DeITStation::findBox(ROOT::Math::PositionVector3D<ROOT::Math::Cartesian3
 2576  0.00%  98.83%   0x00002b5ca3105190   DeleteQCandidate std::for_each<__gnu_cxx::__normal_iterator<G4QCandidate
  168  0.00%  99.82%   0x00002b5ca27fb470   DeleteQHadron std::for_each<__gnu_cxx::__normal_iterator<G4QHadron**, st
 1875  0.00%  99.03%   0x00002b5ca3093570   DeleteQParentCluster std::for_each<__gnu_cxx::__normal_iterator<G4QParen
   80  0.00%  99.90%   0x00002b5ca31051e0   DeleteQuasmon std::for_each<__gnu_cxx::__normal_iterator<G4Quasmon**, st
    1  0.00%  100.00%  0x00002aaac16c1ee0   DeMuonChamber::~DeMuonChamber()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB
    3  0.00%  100.00%  0x00002aaac16c25c0   DeMuonChamber::DeMuonChamber()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_
   10  0.00%  99.98%   0x00002aaac16c28e0   DeMuonChamber::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
    2  0.00%  100.00%  0x00002aaac16c55c0   DeMuonDetector::fillGeoArray()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_
    2  0.00%  100.00%  0x00002aaac16c80b0   DeMuonDetector::fillGeoInfo()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
   26  0.00%  99.95%   0x00002aaac16c5550   DeMuonDetector::getChmbPtr(int, int, int) const</data4/wilrome/gauss/sof
```

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168  0.00%  99.83%   0x00002aaac16c6d30   DeMuonDetector::Hit2ChamberNumber(ROOT::Math::PositionVector3D<ROOT::Mat
278  0.00%  99.75%   0x00002aaac16c79f0   DeMuonDetector::Hit2GapNumber(ROOT::Math::PositionVector3D<ROOT::Math::C
 12  0.00%  99.98%   0x00002aaac16c7540   DeMuonDetector::Pos2ChamberNumber(double, double, double, int&, int&) co
  9  0.00%  99.98%   0x00002aaac16c7700   DeMuonDetector::Pos2ChamberTile(double, double, double, LHCb::MuonTileID
 30  0.00%  99.95%   0x00002aaac16c7cd0   DeMuonDetector::sensitiveVolumeID(ROOT::Math::PositionVector3D<ROOT::Mat
 13  0.00%  99.98%   0x00002aaac16cc830   DeMuonGasGap::DeMuonGasGap()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v2
 35  0.00%  99.94%   0x00002aaac16ccb40   DeMuonGasGap::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
  9  0.00%  99.98%   0x00002aaac14339b0   DeOTDetector::findLayer(ROOT::Math::PositionVector3D<ROOT::Math::Cartesi
  6  0.00%  99.99%   0x00002aaac14339f0   DeOTDetector::findModule(ROOT::Math::PositionVector3D<ROOT::Math::Cartes
  6  0.00%  99.99%   0x00002aaac14339d0   DeOTDetector::findQuarter(ROOT::Math::PositionVector3D<ROOT::Math::Carte
 19  0.00%  99.96%   0x00002aaac14338b0   DeOTDetector::findStation(ROOT::Math::PositionVector3D<ROOT::Math::Carte
102  0.00%  99.88%   0x00002aaac1433a10   DeOTDetector::sensitiveVolumeID(ROOT::Math::PositionVector3D<ROOT::Math:
 41  0.00%  99.94%   0x00002aaac1439640   DeOTLayer::findQuarter(ROOT::Math::PositionVector3D<ROOT::Math::Cartesia
  6  0.00%  99.99%   0x00002aaac143ab00   DeOTModule::~DeOTModule()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1
 89  0.00%  99.89%   0x00002aaac143d7b0   DeOTModule::cacheInfo()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
  1  0.00%  100.00%  0x00002aaac143a860   DeOTModule::clear()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det/O
  4  0.00%  99.99%   0x00002aaac143af50   DeOTModule::DeOTModule(std::string const&)</data4/wilrome/gauss/soft/lhc
  8  0.00%  99.99%   0x00002aaac143edb0   DeOTModule::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/
 34  0.00%  99.94%   0x00002aaac143b600   DeOTModule::trajectory(LHCb::OTChannelID const&, double) const</data4/wi
  6  0.00%  99.99%   0x00002aaac143bdd0   DeOTModule::trajectoryFirstWire(int) const</data4/wilrome/gauss/soft/lhc
 52  0.00%  99.92%   0x00002aaac1443ab0   DeOTQuarter::findModule(ROOT::Math::PositionVector3D<ROOT::Math::Cartesi
  3  0.00%  100.00%  0x00002aaac14430f0   DeOTQuarter::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1
 32  0.00%  99.95%   0x00002aaac14451b0   DeOTStation::findLayer(ROOT::Math::PositionVector3D<ROOT::Math::Cartesia
  1  0.00%  100.00%  0x00002b5ca3d46300   DeRich::alignMirrors(std::vector<ILVolume const*, std::allocator<ILVolum
 19  0.00%  99.96%   0x00002b5ca3d44690   DeRich::sensitiveVolumeID(ROOT::Math::PositionVector3D<ROOT::Math::Carte
  3  0.00%  99.99%   0x00002b5ca3d18770   DeRich1::side(ROOT::Math::PositionVector3D<ROOT::Math::Cartesian3D<doubl
  5  0.00%  99.99%   0x00002b5ca3d1fef0   DeRich2::side(ROOT::Math::PositionVector3D<ROOT::Math::Cartesian3D<doubl
  1  0.00%  100.00%  0x00002b5ca3d2c2d0   DeRichGasRadiator::calcSellmeirRefIndex(std::vector<double, std::allocat
  3  0.00%  99.99%   0x00002b5ca3d2f190   DeRichHPD::~DeRichHPD()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
  2  0.00%  100.00%  0x00002b5ca3d300f0   DeRichHPD::getParameters()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
  7  0.00%  99.99%   0x00002b5ca3d30db0   DeRichHPD::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
170  0.00%  99.82%   0x00002b5ca3d35f10   DeRichHPDPanel::findHPDColAndPos(ROOT::Math::PositionVector3D<ROOT::Math
  4  0.00%  99.99%   0x00002b5ca3d382a0   DeRichHPDPanel::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v2
 25  0.00%  99.95%   0x00002b5ca3d37ff0   DeRichHPDPanel::sensitiveVolumeID(ROOT::Math::PositionVector3D<ROOT::Mat
206  0.00%  99.80%   0x00002b5ca3d37c00   DeRichHPDPanel::smartID(ROOT::Math::PositionVector3D<ROOT::Math::Cartesi
  1  0.00%  100.00%  0x00002b5ca3d4e690   DeRichSphMirror::classID()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
  1  0.00%  100.00%  0x00002b5ca3d5a330   DeRichSystem::fillMaps(Rich::DetectorType)</data4/wilrome/gauss/soft/lhc
  2  0.00%  100.00%  0x00002aaac10bc290   DeSTBaseElement::cachePoint()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
  1  0.00%  100.00%  0x00002aaac10bc200   DeSTBaseElement::DeSTBaseElement(std::string const&)</data4/wilrome/gaus
  2  0.00%  100.00%  0x00002aaac10bc0b0   DeSTBaseElement::globalPoint(double, double, double) const</data4/wilrom
  5  0.00%  99.99%   0x00002aaac10bc350   DeSTBaseElement::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
 24  0.00%  99.96%   0x00002aaac10beba0   DeSTDetector::findStation(ROOT::Math::PositionVector3D<ROOT::Math::Carte
 91  0.00%  99.89%   0x00002aaac10bd000   DeSTDetector::sensitiveVolumeID(ROOT::Math::PositionVector3D<ROOT::Math:
  1  0.00%  100.00%  0x00002aaac10c1f60   DeSTLayer::DeSTLayer(std::string const&)</data4/wilrome/gauss/soft/lhcb/
  2  0.00%  100.00%  0x00002aaac10c2000   DeSTLayer::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
```

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   4  0.00%  99.99%   0x00002aaac10c4010   DeSTSector::~DeSTSector()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1
   9  0.00%  99.98%   0x00002aaac10c4680   DeSTSector::cacheInfo()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/D
   5  0.00%  99.99%   0x00002aaac10c3030   DeSTSector::clear()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det/S
   3  0.00%  100.00%  0x00002aaac10c5b80   DeSTSector::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/
   2  0.00%  100.00%  0x00002b5c97568c10   DetDataSvc::eventTime() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI
  36  0.00%  99.94%   0x00002b5c97568b30   DetDataSvc::queryInterface(InterfaceID const&, void**)</data4/wilrome/ga
   1  0.00%  100.00%  0x00002b5c97569360   DetDataSvc::setEventTime(Gaudi::Time const&)</data4/wilrome/gauss/soft/l
  11  0.00%  99.98%   0x00002b5c97568c00   DetDataSvc::validEventTime() const</data4/wilrome/gauss/soft/lhcb/GAUDI/
  20  0.00%  99.96%   0x00002b5c9a15bd30   DetDesc::localToGlobalTransformation(std::vector<double, std::allocator<
   9  0.00%  99.98%   0x00002b5c9a1631c0   DetDesc::services()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det/D
   7  0.00%  99.99%   0x00002b5c9a19cd70   DetDesc::Services::addRef()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
  32  0.00%  99.95%   0x00002b5c9a19da20   DetDesc::Services::detSvc()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
  35  0.00%  99.94%   0x00002b5c9a19d560   DetDesc::Services::msgSvc()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
   4  0.00%  99.99%   0x00002b5c9a19cd30   DetDesc::Services::release()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v2
  46  0.00%  99.93%   0x00002b5c9a19ccc0   DetDesc::Services::services()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
  19  0.00%  99.96%   0x00002b5c9a19d080   DetDesc::Services::updMgrSvc(bool)</data4/wilrome/gauss/soft/lhcb/LHCB/L
   3  0.00%  99.99%   0x00002b5c9a15bcd0   DetDesc::XYZTranslation(std::vector<double, std::allocator<double> > con
   5  0.00%  99.99%   0x00002b5c9a15bc30   DetDesc::ZYXRotation(std::vector<double, std::allocator<double> > const&
  67  0.00%  99.91%   0x00002b5c9a167430   DetectorElement::~DetectorElement()</data4/wilrome/gauss/soft/lhcb/LHCB/
   5  0.00%  99.99%   0x00002b5c9a166f60   DetectorElement::~DetectorElement()</data4/wilrome/gauss/soft/lhcb/LHCB/
  78  0.00%  99.90%   0x00002b5c9a168ec0   DetectorElement::childBegin()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
   8  0.00%  99.98%   0x00002b5c9a168e90   DetectorElement::childEnd()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
 131  0.00%  99.86%   0x00002b5c9a167e70   DetectorElement::childIDetectorElements() const</data4/wilrome/gauss/sof
   1  0.00%  100.00%  0x00002b5c9a166ec0   DetectorElement::condition(std::string const&) const</data4/wilrome/gaus
  13  0.00%  99.97%   0x00002b5c9a167940   DetectorElement::createCondition(std::string&, std::string&)</data4/wilr
  25  0.00%  99.96%   0x00002b5c9a1664b0   DetectorElement::createGeometryInfo(std::string const&, std::string cons
   6  0.00%  99.99%   0x00002b5c9a165530   DetectorElement::dataSvc() const</data4/wilrome/gauss/soft/lhcb/LHCB/LHC
  21  0.00%  99.96%   0x00002b5c9a1677d0   DetectorElement::DetectorElement(std::string const&)</data4/wilrome/gaus
   2  0.00%  100.00%  0x00002b5c9a167600   DetectorElement::DetectorElement(std::string const&)</data4/wilrome/gaus
 420  0.00%  99.65%   0x00002b5c9a168ac0   DetectorElement::geometry() const</data4/wilrome/gauss/soft/lhcb/LHCB/LH
 122  0.00%  99.86%   0x00002b5c9a168ae0   DetectorElement::geometry()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
   5  0.00%  99.99%   0x00002b5c9a165960   DetectorElement::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
1243  0.00%  99.26%   0x00002b5c9a165990   DetectorElement::isInside(ROOT::Math::PositionVector3D<ROOT::Math::Carte
  14  0.00%  99.97%   0x00002b5c9a165540   DetectorElement::msgSvc() const</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB
  38  0.00%  99.94%   0x00002b5c9a166950   DetectorElement::name() const</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
   6  0.00%  99.99%   0x00002b5c9a165560   DetectorElement::parentIDetectorElement() const</data4/wilrome/gauss/sof
   3  0.00%  99.99%   0x00002b5c9a1656d0   DetectorElement::release()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
   6  0.00%  99.99%   0x00002aaac10c8f90   DeTTDetector::findSector(ROOT::Math::PositionVector3D<ROOT::Math::Cartes
   1  0.00%  100.00%  0x00002aaac10c9350   DeTTDetector::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
   1  0.00%  100.00%  0x00002aaac10ca670   DeTTHalfModule::DeTTHalfModule(std::string const&)</data4/wilrome/gauss/
  43  0.00%  99.93%   0x00002aaac10ca900   DeTTHalfModule::findSector(ROOT::Math::PositionVector3D<ROOT::Math::Cart
  16  0.00%  99.97%   0x00002aaac10cd2b0   DeTTLayer::findHalfModule(ROOT::Math::PositionVector3D<ROOT::Math::Carte
   3  0.00%  100.00%  0x00002aaac10cf670   DeTTSector::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/
   7  0.00%  99.99%   0x00002aaac10d0b60   DeTTStation::findLayer(ROOT::Math::PositionVector3D<ROOT::Math::Cartesia
```

```
    1  0.00%  100.00%  0x00002aaac06dabc0   DeVelo::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det/
    3  0.00%  100.00%  0x00002aaac06da790   DeVelo::scanDetectorElement(IDetectorElement*, std::vector<DeVeloSensor*
  770  0.00%   99.46%  0x00002aaac06d8350   DeVelo::sensitiveVolumeID(ROOT::Math::PositionVector3D<ROOT::Math::Carte
   74  0.00%   99.90%  0x00002aaac06e7280   DeVeloPhiType::BuildRoutingLineMap()</data4/wilrome/gauss/soft/lhcb/LHCB
    1  0.00%  100.00%  0x00002aaac06e6070   DeVeloPhiType::calcStripLengths()</data4/wilrome/gauss/soft/lhcb/LHCB/LH
  211  0.00%   99.79%  0x00002aaac06e68c0   DeVeloPhiType::calcStripLines()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB
    3  0.00%  100.00%  0x00002aaac06e78f0   DeVeloPhiType::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
   42  0.00%   99.93%  0x00002aaac06e1f70   DeVeloPhiType::isCutOff(double, double) const</data4/wilrome/gauss/soft/
   64  0.00%   99.91%  0x00002aaac06e2b10   DeVeloPhiType::updatePhiCache()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB
    2  0.00%  100.00%  0x00002aaac06e4aa0   DeVeloPhiType::updateZoneLimits()</data4/wilrome/gauss/soft/lhcb/LHCB/LH
   31  0.00%   99.95%  0x00002aaac06ed9c0   DeVeloRType::BuildRoutingLineMap()</data4/wilrome/gauss/soft/lhcb/LHCB/L
   44  0.00%   99.93%  0x00002aaac06ef4b0   DeVeloRType::calcStripLimits()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_
    1  0.00%  100.00%  0x00002aaac06ecbc0   DeVeloRType::cornerLimits()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23
    1  0.00%  100.00%  0x00002aaac06f0180   DeVeloRType::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1
    5  0.00%   99.99%  0x00002aaac06eaa50   DeVeloRType::RoutingLineArea(unsigned int)</data4/wilrome/gauss/soft/lhc
    1  0.00%  100.00%  0x00002aaac06eaaa0   DeVeloRType::RoutLineToStrip(unsigned int, unsigned int)</data4/wilrome/
 2379  0.00%   98.90%  0x00002aaac06ebc50   DeVeloRType::updateStripRCache()</data4/wilrome/gauss/soft/lhcb/LHCB/LHC
    2  0.00%  100.00%  0x00002aaac06ee050   DeVeloRType::updateZoneLimits()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB
    1  0.00%  100.00%  0x00002aaac06f4660   DeVeloSensor::~DeVeloSensor()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
    5  0.00%   99.99%  0x00002aaac06f25e0   DeVeloSensor::ConvertIntToStripInfo::operator()(int)</data4/wilrome/gaus
    1  0.00%  100.00%  0x00002aaac06f4f00   DeVeloSensor::DeVeloSensor(std::string const&)</data4/wilrome/gauss/soft
    4  0.00%   99.99%  0x00002aaac06f5540   DeVeloSensor::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
    1  0.00%  100.00%  0x00002aaac06f3120   DeVeloSensor::initSensor()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r
    1  0.00%  100.00%  0x00002aaac06f2690   DeVeloSensor::registerConditionCallBacks()</data4/wilrome/gauss/soft/lhc
    1  0.00%  100.00%  0x00002aaac06f52f0   DeVeloSensor::updateStripCapacitanceCondition()</data4/wilrome/gauss/sof
    3  0.00%  100.00%  0x00002aaac06f6450   DeVeloSensor::updateStripInfoCondition()</data4/wilrome/gauss/soft/lhcb/
    2  0.00%  100.00%  0x00002b0cdb0477d0   dict_dealloc</data4/wilrome/gauss/soft/lcg/external/Python/2.4.2/slc4_am
   57  0.00%   99.92%  0x00002aaaabc26320   directProd(EvtVector4R const&, EvtVector4R const&)</data4/wilrome/gauss/
    7  0.00%   99.99%  0x00002aaaabbe17f0   dirProd(EvtVector4C, EvtDiracSpinor)</data4/wilrome/gauss/soft/lhcb/GAUS
   11  0.00%   99.98%  0x00002aaaabbe16c0   dirProd(EvtVector4R, EvtDiracSpinor)</data4/wilrome/gauss/soft/lhcb/GAUS
    2  0.00%  100.00%  0x00002b5ca4fb2f20   disableTerm</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
    4  0.00%   99.99%  0x00000030612f8740   dl_open_worker</lib64/tls/libc-2.3.4.so>
    2  0.00%  100.00%  0xffffffff8127ee12   do_debug<kernel>
    6  0.00%   99.99%  0x00002aaaabf4c7d0   do_fio</usr/lib64/libg2c.so.0.0.0>
38631  0.06%   91.65%  0x0000003061007840   do_lookup_x</lib64/ld-2.3.4.so>
    2  0.00%  100.00%  0x00002b0cdb0a7b90   do_mktuple</data4/wilrome/gauss/soft/lcg/external/Python/2.4.2/slc4_amd6
    5  0.00%   99.99%  0x00002b0cdb0a7290   do_mkvalue</data4/wilrome/gauss/soft/lcg/external/Python/2.4.2/slc4_amd6
 3559  0.01%   98.61%  0xffffffff8127faac   do_page_fault<kernel>
    3  0.00%  100.00%  0x00000030612fa570   do_sym</lib64/tls/libc-2.3.4.so>
    5  0.00%   99.99%  0x00002aaac1440f20   double const& ParamValidDataObject::param<double>(std::string const&) co
   20  0.00%   99.96%  0x00002b5ca2df8ad0   double std::accumulate<__gnu_cxx::__normal_iterator<G4VEvaporationChanne
    3  0.00%   99.99%  0x00002b5ca3aa0ac0   double& ParamValidDataObject::param<double>(std::string const&)</data4/w
    2  0.00%  100.00%  0x00002b5c9a1a53a0   double* std::adjacent_find<double*>(double*, double*)</data4/wilrome/gau
    4  0.00%   99.99%  0x00002b5c9a15edb0   double* std::fill_n<double*, int, int>(double*, int, int const&)</data4/
  371  0.00%   99.69%  0x00002b5c9759b190   double* std::fill_n<double*, unsigned long, double>(double*, unsigned lo
```

```
    1  0.00%  100.00%  0x00002b5ca0410a02   double* std::uninitialized_copy<__gnu_cxx::__normal_iterator<double cons
    2  0.00%  100.00%  0x00002b5ca4f7c7a0   dropCell</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_
   15  0.00%   99.97%  0x00002aaaabc263f0   dual(EvtTensor4C const&)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
24336  0.04%   94.25%  0x00002aaac02ed8f0   EcalSensDet::fillHitInfo(CaloSubHit*, HepGeom::Point3D<double> const&, d
    1  0.00%  100.00%  0x00002aaac02f2f70   EHCalSensDet::EHCalSensDet(std::string const&, std::string const&, IInte
10920  0.02%   97.09%  0x00002aaac02f2630   EHCalSensDet::timing(double, LHCb::CaloCellID const&, char&, std::vector
    2  0.00%  100.00%  0x00002b5ca2dc9880   ElasticData::DefineNucleusParameters(int)</data4/wilrome/gauss/soft/lhcb
    7  0.00%   99.99%  0x00002b5ca2dc9bc0   ElasticData::ElasticData(G4ParticleDefinition const*, int, double*)</dat
    1  0.00%  100.00%  0x00002b5c9a16be90   Element::~Element()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Det/D
   10  0.00%   99.98%  0x00002b5c96d19420   endmsg(MsgStream&)</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/Gaud
    1  0.00%  100.00%  0x00002b5c96cf8740   endreq(MsgStream&)</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5/Gaud
 1176  0.00%   99.28%  0x00002b5c9db3cd40   engine(char*, char*, double&, char*&, hash_map<string, Item> const&)</da
    1  0.00%  100.00%  0x00002b0cdb07bbe0   EnvironmentError__init__</data4/wilrome/gauss/soft/lcg/external/Python/2
    6  0.00%   99.99%  0x00002b5ca4fb2ef0   estLog</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_gc
    1  0.00%  100.00%  0x00002b5c9db40a30   eval_asin(double)</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1/Tools/X
    1  0.00%  100.00%  0x00002b5c99fc9560   EventClockSvc::handle(Incident const&)</data4/wilrome/gauss/soft/lhcb/LH
    5  0.00%   99.99%  0x00002b5c975797c0   EventLoopMgr::executeEvent(void*)</data4/wilrome/gauss/soft/lhcb/GAUDI/G
    2  0.00%  100.00%  0x00002b5c9757c9e0   EventLoopMgr::finalize()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
    1  0.00%  100.00%  0x00002b5c97578eb0   EventLoopMgr::nextEvent(int)</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
   10  0.00%   99.98%  0x00002aaaacb31da0   evlcteqevolve_</data4/wilrome/gauss/soft/lcg/external/MCGenerators/lhapd
   11  0.00%   99.98%  0x00002aaaacb41fd0   evolvepdfm_</data4/wilrome/gauss/soft/lcg/external/MCGenerators/lhapdf/5
  234  0.00%   99.78%  0x00002aaaaba7e730   evt_gmas__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGen/v
   29  0.00%   99.95%  0x00002aaaaba7c560   evt3pions_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGen/v
    4  0.00%   99.99%  0x00002aaaaba7af80   evt3pionsmpp_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGe
    4  0.00%   99.99%  0x00002aaaaba7f620   evt3pionsp00_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGe
    1  0.00%  100.00%  0x00002aaaaba6b550   EvtAbsLineShape::EvtAbsLineShape(EvtAbsLineShape const&)</data4/wilrome/
   14  0.00%   99.97%  0x00002aaaaba6b400   EvtAbsLineShape::getMassProb(double, double, int, double*)</data4/wilrom
   69  0.00%   99.91%  0x00002aaaaba6c8d0   EvtAmp::contract(int, EvtAmp const&)</data4/wilrome/gauss/soft/lhcb/GAUS
   44  0.00%   99.93%  0x00002aaaaba6cc10   EvtAmp::contract(int, EvtSpinDensity const&)</data4/wilrome/gauss/soft/l
   73  0.00%   99.90%  0x00002aaaaba6bfe0   EvtAmp::EvtAmp()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Ev
   19  0.00%   99.96%  0x00002aaaaba6c4d0   EvtAmp::getAmp(int*) const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
   10  0.00%   99.98%  0x00002aaaaba6d0d0   EvtAmp::getBackwardSpinDensity(EvtSpinDensity*)</data4/wilrome/gauss/sof
   92  0.00%   99.89%  0x00002aaaaba6c520   EvtAmp::getSpinDensity()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
   14  0.00%   99.97%  0x00002aaaaba6c2b0   EvtAmp::init(EvtId, int, EvtId*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
   33  0.00%   99.95%  0x00002aaaaba6c820   EvtAmp::operator=(EvtAmp const&)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
   26  0.00%   99.95%  0x00002aaaaba6c470   EvtAmp::setAmp(int*, EvtComplex const&)</data4/wilrome/gauss/soft/lhcb/G
    1  0.00%  100.00%  0x00002aaaaba6c1d0   EvtAmp::setNDaug(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/G
    6  0.00%   99.99%  0x00002aaaaba6c1e0   EvtAmp::setNState(int, int*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
    7  0.00%   99.99%  0x00002aaaaba6d2e0   EvtAmp::vertex(int, EvtComplex const&)</data4/wilrome/gauss/soft/lhcb/GA
    1  0.00%  100.00%  0x00002aaaaba6d300   EvtAmp::vertex(int, int, EvtComplex const&)</data4/wilrome/gauss/soft/lh
    1  0.00%  100.00%  0x00002aaaaba6d320   EvtAmp::vertex(int, int, int, EvtComplex const&)</data4/wilrome/gauss/so
    1  0.00%  100.00%  0x00002aaaabbe9370   EvtAmpPdf<EvtPoint1D>::clone() const</data4/wilrome/gauss/soft/lhcb/GAUS
    2  0.00%  100.00%  0x00002aaaabbe9300   EvtAmpPdf<EvtPoint1D>::pdf(EvtPoint1D const&) const</data4/wilrome/gauss
   12  0.00%   99.98%  0x00002aaaaba76730   EvtBlattWeisskopf::compute(double) const</data4/wilrome/gauss/soft/lhcb/
```

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    1  0.00%  100.00%  0x00002aaaaba768f0   EvtBlattWeisskopf::EvtBlattWeisskopf(int, double, double)</data4/wilrome
    2  0.00%  100.00%  0x00002aaaaba768e0   EvtBlattWeisskopf::operator()(double) const</data4/wilrome/gauss/soft/lh
    1  0.00%  100.00%  0x00002aaaaba86730   EvtBtoKpiCPiso::getName(std::string&)</data4/wilrome/gauss/soft/lhcb/GAU
    1  0.00%  100.00%  0x00002aaaaba88d20   EvtbTosllAli::~EvtbTosllAli()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS
   15  0.00%  99.97%   0x00002aaaaba891e0   EvtbTosllAmp::CalcMaxProb(EvtId, EvtId, EvtId, EvtId, EvtbTosllFF*, doub
    3  0.00%  100.00%  0x00002aaaaba8bcf0   EvtbTosllAmp::GetC10Eff(double, bool)</data4/wilrome/gauss/soft/lhcb/GAU
   10  0.00%  99.98%   0x00002aaaaba89c00   EvtbTosllAmp::GetC7Eff(double, bool)</data4/wilrome/gauss/soft/lhcb/GAUS
   52  0.00%  99.92%   0x00002aaaaba8a3d0   EvtbTosllAmp::GetC9Eff(double, bool, bool)</data4/wilrome/gauss/soft/lhc
    3  0.00%  100.00%  0x00002aaaaba8e6a0   EvtbTosllBallFF::getScalarFF(EvtId, EvtId, double, double, double&, doub
   12  0.00%  99.98%   0x00002aaaaba8db20   EvtbTosllBallFF::getVectorFF(EvtId, EvtId, double, double, double&, doub
   17  0.00%  99.97%   0x00002aaaaba8f650   EvtbTosllScalarAmp::CalcAmp(EvtParticle*, EvtAmp&, EvtbTosllFF*)</data4/
  120  0.00%  99.87%   0x00002aaaaba93210   EvtbTosllVectorAmp::CalcAmp(EvtParticle*, EvtAmp&, EvtbTosllFF*)</data4/
   45  0.00%  99.93%   0x00002aaaabaa08b0   EvtBtoXsll::init()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/
 1616  0.00%  99.11%   0x00002aaaabaa5660   EvtBtoXsllUtil::dGdsdupProb(double, double, double, double, double)</dat
   25  0.00%  99.96%   0x00002aaaabaa41e0   EvtBtoXsllUtil::dGdsProb(double, double, double, double)</data4/wilrome/
    5  0.00%  99.99%   0x00002aaaabaa4190   EvtBtoXsllUtil::GetC10Eff(double, bool)</data4/wilrome/gauss/soft/lhcb/G
    4  0.00%  99.99%   0x00002aaaabaa1ef0   EvtBtoXsllUtil::GetC7Eff0(double, bool)</data4/wilrome/gauss/soft/lhcb/G
   89  0.00%  99.89%   0x00002aaaabaa1f90   EvtBtoXsllUtil::GetC7Eff1(double, double, bool)</data4/wilrome/gauss/sof
  786  0.00%  99.45%   0x00002aaaabaa2700   EvtBtoXsllUtil::GetC9Eff0(double, double, bool, bool)</data4/wilrome/gau
  168  0.00%  99.83%   0x00002aaaabaa3480   EvtBtoXsllUtil::GetC9Eff1(double, double, bool, bool)</data4/wilrome/gau
  862  0.00%  99.41%   0x00002aaaaba7ee10   evtcbw_ks__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGen/
    2  0.00%  100.00%  0x00002aaaabaa73e0   EvtCGCoefSingle::cg(int, int, int, int)</data4/wilrome/gauss/soft/lhcb/G
   19  0.00%  99.96%   0x00002aaaabaa7750   EvtCGCoefSingle::init(int, int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
   47  0.00%  99.93%   0x00002aaaabaa9db0   EvtComplex::operator*=(EvtComplex)</data4/wilrome/gauss/soft/lhcb/GAUSS/
  117  0.00%  99.87%   0x00002aaaaba7d0c0   evtcompute_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGen/
   70  0.00%  99.91%   0x00002aaaaba7b990   evtcompute_mpp__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Ev
   88  0.00%  99.89%   0x00002aaaaba800e0   evtcompute_p00__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Ev
  177  0.00%  99.82%   0x00002aaaaba7e9e0   evtcrhof_w__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGen
    1  0.00%  100.00%  0x00002aaaabab37c0   EvtDDalitz::init()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/
   55  0.00%  99.92%   0x00002aaaabab66a0   EvtDecayAmp::makeDecay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUS
    1  0.00%  100.00%  0x00002aaaabba8710   EvtDecayAngle(EvtVector4R const&, EvtVector4R const&, EvtVector4R const&
    9  0.00%  99.98%   0x00002aaaabab9090   EvtDecayBase::~EvtDecayBase()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS
    2  0.00%  100.00%  0x00002aaaabab9e50   EvtDecayBase::checkQ()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/
    1  0.00%  100.00%  0x00002aaaabab95c0   EvtDecayBase::checkSpinParent(EvtSpinType::spintype)</data4/wilrome/gaus
    7  0.00%  99.99%   0x00002aaaababa750   EvtDecayBase::EvtDecayBase()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
   10  0.00%  99.98%   0x00002aaaabab80c0   EvtDecayBase::getArg(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
    9  0.00%  99.98%   0x00002aaaabab9af0   EvtDecayBase::getProbMax(double)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
    7  0.00%  99.99%   0x00002aaaaba766c0   EvtDecayBase::nRealDaughters()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUS
    3  0.00%  100.00%  0x00002aaaababa1d0   EvtDecayBase::saveDecayInfo(EvtId, int, EvtId*, int, std::vector<std::st
   49  0.00%  99.93%   0x00002aaaababa8d0   EvtDecayIncoherent::makeDecay(EvtParticle*)</data4/wilrome/gauss/soft/lh
  107  0.00%  99.87%   0x00002aaaababdbc0   EvtDecayTable::findChannel(EvtId, std::string, int, EvtId*, int, std::st
   20  0.00%  99.96%   0x00002aaaababe040   EvtDecayTable::GetDecayFunc(EvtParticle*)</data4/wilrome/gauss/soft/lhcb
   24  0.00%  99.96%   0x00002aaaababe100   EvtDecayTable::getNMode(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
    2  0.00%  100.00%  0x00002aaaababd850   EvtDecayTable::inChannelList(EvtId, int, EvtId*)</data4/wilrome/gauss/so
   23  0.00%  99.96%   0x00002aaaababd820   EvtDecayTable::isJetSet(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUS
```

```
  46  0.00%  99.93%   0x00002aaaababe120   EvtDecayTable::readDecayFile(std::string)</data4/wilrome/gauss/soft/lhcb
  20  0.00%  99.96%   0x00002aaaabac6030   EvtdFunction::d(int, int, int, double)</data4/wilrome/gauss/soft/lhcb/GA
   8  0.00%  99.99%   0x00002aaaabac6890   EvtdFunctionSingle::d(int, int, int, double)</data4/wilrome/gauss/soft/l
   1  0.00%  100.00%  0x00002aaaabac6570   EvtdFunctionSingle::EvtdFunctionSingle()</data4/wilrome/gauss/soft/lhcb/
   4  0.00%  99.99%   0x00002aaaabac65e0   EvtdFunctionSingle::fact(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS
  13  0.00%  99.98%   0x00002aaaabac6630   EvtdFunctionSingle::init(int, int, int)</data4/wilrome/gauss/soft/lhcb/G
1362  0.00%  99.21%   0x00002aaaabac6a70   EvtDiLog::DiLog(double)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
   2  0.00%  100.00%  0x00002aaaabac6f90   EvtDiracParticle::~EvtDiracParticle()</data4/wilrome/gauss/soft/lhcb/GAU
  12  0.00%  99.98%   0x00002aaaabac7270   EvtDiracParticle::EvtDiracParticle()</data4/wilrome/gauss/soft/lhcb/GAUS
  46  0.00%  99.93%   0x00002aaaabac85a0   EvtDiracParticle::init(EvtId, EvtVector4R const&)</data4/wilrome/gauss/s
  49  0.00%  99.93%   0x00002aaaabac83a0   EvtDiracParticle::spParent(int) const</data4/wilrome/gauss/soft/lhcb/GAU
   7  0.00%  99.99%   0x00002aaaabac8c60   EvtDiracSpinor::~EvtDiracSpinor()</data4/wilrome/gauss/soft/lhcb/GAUSS/G
 220  0.00%  99.79%   0x00002aaaabac9210   EvtDiracSpinor::applyBoostTo(EvtVector3R const&)</data4/wilrome/gauss/so
  25  0.00%  99.96%   0x00002aaaabac9960   EvtDiracSpinor::applyBoostTo(EvtVector4R const&)</data4/wilrome/gauss/so
   4  0.00%  99.99%   0x00002aaaabbe7a20   EvtDiracSpinor::EvtDiracSpinor(EvtDiracSpinor const&)</data4/wilrome/gau
  62  0.00%  99.91%   0x00002aaaabac8da0   EvtDiracSpinor::get_spinor(int) const</data4/wilrome/gauss/soft/lhcb/GAU
   5  0.00%  99.99%   0x00002aaaabac8ca0   EvtDiracSpinor::set(EvtComplex const&, EvtComplex const&, EvtComplex con
 102  0.00%  99.88%   0x00002aaaabac8ce0   EvtDiracSpinor::set_spinor(int, EvtComplex const&)</data4/wilrome/gauss/
   1  0.00%  100.00%  0x00002aaaabacbe30   EvtEtaDalitz::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/G
   2  0.00%  100.00%  0x00002aaaabacc790   EvtEvalHelAmp::~EvtEvalHelAmp()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
  11  0.00%  99.98%   0x00002aaaabacdc00   EvtEvalHelAmp::probMax()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
 115  0.00%  99.87%   0x00002aaaaba7cb70   evtfirst_step__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Evt
 115  0.00%  99.87%   0x00002aaaaba7b4e0   evtfirst_step_mpp__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen
 108  0.00%  99.87%   0x00002aaaaba7fc30   evtfirst_step_p00__</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen
  10  0.00%  99.98%   0x00002aaaabacf510   EvtGammaMatrix::~EvtGammaMatrix()</data4/wilrome/gauss/soft/lhcb/GAUSS/G
  15  0.00%  99.97%   0x00002aaaabacf680   EvtGammaMatrix::EvtGammaMatrix()</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
 159  0.00%  99.83%   0x00002aaaabacf480   EvtGammaMatrix::EvtGammaMatrix(EvtGammaMatrix const&)</data4/wilrome/gau
 160  0.00%  99.83%   0x00002aaaabacf580   EvtGammaMatrix::operator-=(EvtGammaMatrix const&)</data4/wilrome/gauss/s
  42  0.00%  99.94%   0x00002aaaabacfc20   EvtGammaMatrix::operator=(EvtGammaMatrix const&)</data4/wilrome/gauss/so
  17  0.00%  99.97%   0x00002aaaabad08f0   EvtGammaMatrix::v0()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Ge
  20  0.00%  99.96%   0x00002aaaabad0a10   EvtGammaMatrix::v1()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Ge
  24  0.00%  99.96%   0x00002aaaabad0b30   EvtGammaMatrix::v2()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Ge
  27  0.00%  99.95%   0x00002aaaabad0c50   EvtGammaMatrix::v3()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Ge
   6  0.00%  99.99%   0x00002aaaabacfcd0   EvtGammaMatrix::va0()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/G
  16  0.00%  99.97%   0x00002aaaabacfe60   EvtGammaMatrix::va1()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/G
   9  0.00%  99.98%   0x00002aaaabacfff0   EvtGammaMatrix::va2()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/G
  12  0.00%  99.98%   0x00002aaaabad0180   EvtGammaMatrix::va3()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/G
  15  0.00%  99.97%   0x00002aaaabad3730   EvtGen::generateDecay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS
  28  0.00%  99.95%   0x00002aaaab2f5270   EvtGenDecay::callEvtGen(EvtParticle*&, HepMC::GenParticle const*, EvtId
   6  0.00%  99.99%   0x00002aaaab2f5770   EvtGenDecay::checkParticle(HepMC::GenParticle const*) const</data4/wilro
   4  0.00%  99.99%   0x00002aaaab2f6a10   EvtGenDecay::createTemporaryEvtFile(seal::Filename const&) const</data4/
  17  0.00%  99.97%   0x00002aaaab2fa490   EvtGenDecay::generateDecay(HepMC::GenParticle*) const</data4/wilrome/gau
   3  0.00%  100.00%  0x00002aaaab2f48d0   EvtGenDecay::isKnownToDecayTool(int) const</data4/wilrome/gauss/soft/lhc
  65  0.00%  99.91%   0x00002aaaab2f9c40   EvtGenDecay::makeHepMC(EvtParticle*, HepMC::GenParticle*, ROOT::Math::Lo
```

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 62  0.00%  99.91%   0x00002aaaab2fd080   EvtGenGaudiRandomEngine::random()</data4/wilrome/gauss/soft/lhcb/GAUSS/G
111  0.00%  99.87%   0x00002aaaabad2c50   EvtGenKine::PhaseSpace(int, double*, EvtVector4R*, double)</data4/wilrom
 26  0.00%  99.95%   0x00002aaaabad2560   EvtGenKine::PhaseSpacePole(double, double, double, double, double, EvtVe
  1  0.00%  100.00%  0x00002aaaabae0f00   EvtHelAmp::~EvtHelAmp()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
 10  0.00%  99.98%   0x00002aaaabae34c0   EvtHQETFF::getvectorff(EvtId, EvtId, double, double, double*, double*, d
  2  0.00%  100.00%  0x00002aaaabae6900   EvtIdSet::contains(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
  1  0.00%  100.00%  0x00002aaaabae6bd0   EvtIncoherentMixing::disableFlip()</data4/wilrome/gauss/soft/lhcb/GAUSS/
  1  0.00%  100.00%  0x00002aaaabae7760   EvtIncoherentMixing::incoherentBOMix(EvtId, double&, int&)</data4/wilrom
  1  0.00%  100.00%  0x00002aaaabae8540   EvtIntervalFlatPdf::~EvtIntervalFlatPdf()</data4/wilrome/gauss/soft/lhcb
  4  0.00%  99.99%   0x00002aaaabae8620   EvtIntervalFlatPdf::EvtIntervalFlatPdf(double, double)</data4/wilrome/ga
  1  0.00%  100.00%  0x00002aaaabae8720   EvtIntervalFlatPdf::EvtIntervalFlatPdf(EvtIntervalFlatPdf const&)</data4
  1  0.00%  100.00%  0x00002aaaabae85d0   EvtIntervalFlatPdf::randomPoint()</data4/wilrome/gauss/soft/lhcb/GAUSS/G
  3  0.00%  100.00%  0x00002aaaabb45210   EvtISGW2::~EvtISGW2()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/G
  6  0.00%  99.99%   0x00002aaaabb45400   EvtISGW2::initProbMax()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
  1  0.00%  100.00%  0x00002aaaabb3dc60   EvtISGW2FF::getscalarff(EvtId, EvtId, double, double, double*, double*)<
 17  0.00%  99.97%   0x00002aaaabaca0e0   EvtLeptonACurrent(EvtDiracSpinor const&, EvtDiracSpinor const&)</data4/w
  2  0.00%  100.00%  0x00002aaaabac9cd0   EvtLeptonVACurrent(EvtDiracSpinor const&, EvtDiracSpinor const&)</data4/
 14  0.00%  99.97%   0x00002aaaabac9f60   EvtLeptonVCurrent(EvtDiracSpinor const&, EvtDiracSpinor const&)</data4/w
  2  0.00%  100.00%  0x00002aaaabbb6620   EvtMassAmp::~EvtMassAmp()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
  6  0.00%  99.99%   0x00002aaaabbb66d0   EvtMassAmp::amplitude(EvtPoint1D const&) const</data4/wilrome/gauss/soft
  1  0.00%  100.00%  0x00002aaaabbb6160   EvtMassAmp::EvtMassAmp(EvtMassAmp const&)</data4/wilrome/gauss/soft/lhcb
  3  0.00%  100.00%  0x00002aaaabbb6310   EvtMassAmp::EvtMassAmp(EvtPropBreitWignerRel const&, EvtTwoBodyVertex co
 13  0.00%  99.98%   0x00002aaaabbb86f0   EvtModel::GetFcn(std::string)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS
  1  0.00%  100.00%  0x00002aaaabbb8000   EvtModel::isCommand(std::string)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
  1  0.00%  100.00%  0x00002aaaabbc2030   EvtNeutrinoParticle::init(EvtId, EvtVector4R const&)</data4/wilrome/gaus
  1  0.00%  100.00%  0x00002aaaabbc1eb0   EvtNeutrinoParticle::spParentNeutrino() const</data4/wilrome/gauss/soft/
 36  0.00%  99.94%   0x00002aaaabbc2720   EvtOmegaDalitz::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS
  2  0.00%  100.00%  0x00002aaaabbc3950   EvtOrthogVector::EvtOrthogVector(int, std::vector<double, std::allocator
  1  0.00%  100.00%  0x00002aaaabbc3430   EvtOrthogVector::findEvenOddSwaps()</data4/wilrome/gauss/soft/lhcb/GAUSS
  1  0.00%  100.00%  0x00002aaaabbc3570   EvtOrthogVector::findOrthog(int, std::vector<int, std::allocator<int> >,
 17  0.00%  99.97%   0x00002aaaabbc4460   EvtParser::~EvtParser()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
 14  0.00%  99.97%   0x00002aaaabbc42b0   EvtParser::addToken(int, std::string const&)</data4/wilrome/gauss/soft/l
  3  0.00%  100.00%  0x00002aaaabbc4290   EvtParser::getToken(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
 55  0.00%  99.92%   0x00002aaaabbc45a0   EvtParser::Read(std::string)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
 11  0.00%  99.98%   0x00002aaaabbc72a0   EvtParticle::~EvtParticle()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
  9  0.00%  99.98%   0x00002aaaabbc7650   EvtParticle::addDaug(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/
 62  0.00%  99.91%   0x00002aaaabbc7c40   EvtParticle::compMassProb()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
 42  0.00%  99.94%   0x00002aaaabbcb020   EvtParticle::decay()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Ge
 18  0.00%  99.97%   0x00002aaaabbc7d90   EvtParticle::deleteDaughters(bool)</data4/wilrome/gauss/soft/lhcb/GAUSS/
 13  0.00%  99.98%   0x00002aaaabbc7df0   EvtParticle::deleteTree()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
 12  0.00%  99.98%   0x00002aaaabbc73d0   EvtParticle::EvtParticle()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
 21  0.00%  99.96%   0x00002aaaabbca930   EvtParticle::generateMassTree()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
 24  0.00%  99.96%   0x00002aaaabbc7f10   EvtParticle::get4Pos()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/
  5  0.00%  99.99%   0x00002aaaabbc7770   EvtParticle::getChannel() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
 27  0.00%  99.95%   0x00002aaaabbc75a0   EvtParticle::getDaug(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
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  22  0.00%  99.96%   0x00002aaaabbc75d0   EvtParticle::getId() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
  15  0.00%  99.97%   0x00002aaaabbc7780   EvtParticle::getNDaug() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS
  13  0.00%  99.98%   0x00002aaaabbc7760   EvtParticle::getP4() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
  21  0.00%  99.96%   0x00002aaaabbc7e20   EvtParticle::getP4Lab()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
  11  0.00%  99.98%   0x00002aaaabbc75b0   EvtParticle::getParent()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
  20  0.00%  99.96%   0x00002aaaabbc76a0   EvtParticle::getSpinStates() const</data4/wilrome/gauss/soft/lhcb/GAUSS/
  84  0.00%  99.89%   0x00002aaaabbc8ee0   EvtParticle::initDecay(bool)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
  29  0.00%  99.95%   0x00002aaaabbcab10   EvtParticle::initializePhaseSpace(int, EvtId*, double, int, int)</data4/
  25  0.00%  99.96%   0x00002aaaabbc8de0   EvtParticle::makeDaughters(int, EvtId*)</data4/wilrome/gauss/soft/lhcb/G
  21  0.00%  99.96%   0x00002aaaabbc7790   EvtParticle::mass() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
   4  0.00%  99.99%   0x00002aaaabbc7590   EvtParticle::setChannel(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
   3  0.00%  100.00%  0x00002aaaabbc77a0   EvtParticle::setDiagonalSpinDensity()</data4/wilrome/gauss/soft/lhcb/GAU
  23  0.00%  99.96%   0x00002aaaabbc75e0   EvtParticle::setLifetime()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
   1  0.00%  100.00%  0x00002aaaabbc6200   EvtParticleDecay::chargeConj(EvtParticleDecay*)</data4/wilrome/gauss/sof
  16  0.00%  99.97%   0x00002aaaabbc4e90   EvtParticleDecayList::~EvtParticleDecayList()</data4/wilrome/gauss/soft/
  38  0.00%  99.94%   0x00002aaaabbc50f0   EvtParticleDecayList::addMode(EvtDecayBase*, double, double)</data4/wilr
   1  0.00%  100.00%  0x00002aaaabbc5410   EvtParticleDecayList::finalize()</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
 275  0.00%  99.75%   0x00002aaaabbc5200   EvtParticleDecayList::getDecay(int)</data4/wilrome/gauss/soft/lhcb/GAUSS
  51  0.00%  99.92%   0x00002aaaabbc5600   EvtParticleDecayList::getDecayModel(EvtParticle*)</data4/wilrome/gauss/s
1110  0.00%  99.30%   0x00002aaaabbc52f0   EvtParticleDecayList::isJetSet()</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
  20  0.00%  99.96%   0x00002aaaabbc70f0   EvtParticleFactory::particleFactory(EvtId, EvtVector4R)</data4/wilrome/g
   9  0.00%  99.98%   0x00002aaaabbc6b90   EvtParticleFactory::particleFactory(EvtId, EvtVector4R, EvtSpinDensity)<
  10  0.00%  99.98%   0x00002aaaabbc6730   EvtParticleFactory::particleFactory(EvtSpinType::spintype)</data4/wilrom
   1  0.00%  100.00%  0x00002aaaabbcc960   EvtPartProp::EvtPartProp(EvtPartProp const&)</data4/wilrome/gauss/soft/l
   1  0.00%  100.00%  0x00002aaaabbcd160   EvtPartWave::~EvtPartWave()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
   1  0.00%  100.00%  0x00002aaaabbcd440   EvtPartWave::init()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen
  33  0.00%  99.95%   0x00002aaaabad24f0   EvtPawt(double, double, double)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
  14  0.00%  99.97%   0x00002aaaabbcf490   EvtPDL::alias(EvtId, std::string const&)</data4/wilrome/gauss/soft/lhcb/
   5  0.00%  99.99%   0x00002aaaabbcef40   EvtPDL::chargeConj(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
   4  0.00%  99.99%   0x00002aaaabbcec40   EvtPDL::chg3(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen
  32  0.00%  99.95%   0x00002aaaabbcee50   EvtPDL::entries()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/E
  99  0.00%  99.88%   0x00002aaaabbceee0   EvtPDL::evtIdFromStdHep(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
   9  0.00%  99.98%   0x00002aaaabbceca0   EvtPDL::getctau(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/
  46  0.00%  99.93%   0x00002aaaabbcf3a0   EvtPDL::getId(std::string const&)</data4/wilrome/gauss/soft/lhcb/GAUSS/G
   8  0.00%  99.99%   0x00002aaaabbcec60   EvtPDL::getLundKC(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
   1  0.00%  100.00%  0x00002aaaabbcedf0   EvtPDL::getMass(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/
  20  0.00%  99.96%   0x00002aaaabbced90   EvtPDL::getMassProb(EvtId, double, double, int, double*)</data4/wilrome/
   1  0.00%  100.00%  0x00002aaaabbced60   EvtPDL::getMaxMass(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
  10  0.00%  99.98%   0x00002aaaabbcee20   EvtPDL::getMeanMass(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
  12  0.00%  99.98%   0x00002aaaabbced30   EvtPDL::getMinMass(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
  20  0.00%  99.96%   0x00002aaaabbcec20   EvtPDL::getSpinType(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
  13  0.00%  99.98%   0x00002aaaabbcec80   EvtPDL::getStdHep(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
  16  0.00%  99.97%   0x00002aaaabbcecd0   EvtPDL::getWidth(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
   7  0.00%  99.99%   0x00002aaaabbcebe0   EvtPDL::name(EvtId)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen
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  1  0.00%  100.00%  0x00002aaaabbcf9e0   EvtPDL::readPDT(std::string)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
 60  0.00%  99.92%   0x00002aaaabbd1310   EvtPFermi::getFPFermi(double const&)</data4/wilrome/gauss/soft/lhcb/GAUS
  4  0.00%  99.99%   0x00002aaaabbd27e0   EvtPhotonParticle::~EvtPhotonParticle()</data4/wilrome/gauss/soft/lhcb/G
  5  0.00%  99.99%   0x00002aaaabbd3ff0   EvtPhotonParticle::epsParentPhoton(int)</data4/wilrome/gauss/soft/lhcb/G
  4  0.00%  99.99%   0x00002aaaabbd2860   EvtPhotonParticle::init(EvtId, double, double, double, double)</data4/wi
  2  0.00%  100.00%  0x00002aaaabbd28e0   EvtPhotonParticle::init(EvtId, EvtVector4R const&)</data4/wilrome/gauss/
 51  0.00%  99.92%   0x00002aaaabbd43e0   EvtPHOTOS::doRadCorr(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/
  2  0.00%  100.00%  0x00002aaaabbd4d20   EvtPhsp::~EvtPhsp()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen
  4  0.00%  99.99%   0x00002aaaabbd4dd0   EvtPhsp::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
  1  0.00%  100.00%  0x00002aaaabbd4da0   EvtPhsp::init()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Evt
  7  0.00%  99.99%   0x00002aaaabbd4fb0   EvtPi0Dalitz::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/G
  1  0.00%  100.00%  0x00002aaaabbd5970   EvtPoint1D::EvtPoint1D(double)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUS
  1  0.00%  100.00%  0x00002aaaabbd59c0   EvtPoint1D::EvtPoint1D(double, double, double)</data4/wilrome/gauss/soft
  1  0.00%  100.00%  0x00002aaaabbd5ed0   EvtPropBreitWignerRel::amplitude(EvtPoint1D const&) const</data4/wilrome
  1  0.00%  100.00%  0x00002aaaabbd5d90   EvtPropBreitWignerRel::EvtPropBreitWignerRel(double, double)</data4/wilr
  2  0.00%  100.00%  0x00002aaaabbd5e30   EvtPropBreitWignerRel::EvtPropBreitWignerRel(EvtPropBreitWignerRel const
  3  0.00%  100.00%  0x00002aaaabbddfc0   EvtPythia::~EvtPythia()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
  1  0.00%  100.00%  0x00002aaaabbdf500   EvtPythia::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUS
  1  0.00%  100.00%  0x00002aaaabbdd8c0   EvtPythia::fixPolarizations(EvtParticle*)</data4/wilrome/gauss/soft/lhcb
 65  0.00%  99.91%   0x00002aaaabbde570   EvtPythia::MakePythiaFile(char*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
  1  0.00%  100.00%  0x00002aaaabbdf250   EvtPythia::pythiaInit(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
 17  0.00%  99.97%   0x00002aaaabbdd010   EvtPythia::WritePythiaParticle(std::basic_ofstream<char, std::char_trait
  1  0.00%  100.00%  0x00002aaaabbe04e0   EvtRadCorr::alwaysRadCorr()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
 10  0.00%  99.98%   0x00002aaaabbe0460   EvtRadCorr::doRadCorr(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS
 10  0.00%  99.98%   0x00002aaaabbe07c0   EvtRandom::Flat()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/E
  2  0.00%  100.00%  0x00002aaaabbe07a0   EvtRandom::Flat(double)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
  9  0.00%  99.98%   0x00002aaaabbe06f0   EvtRandom::Flat(double, double)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
 48  0.00%  99.93%   0x00002aaaabbe0690   EvtRandom::random()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen
 11  0.00%  99.98%   0x00002aaaabbe0810   evtranf_</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtGen/v8r
  3  0.00%  100.00%  0x00002aaaabbe0920   EvtRaritaSchwinger::~EvtRaritaSchwinger()</data4/wilrome/gauss/soft/lhcb
  3  0.00%  100.00%  0x00002aaaabbe0c20   EvtRaritaSchwinger::applyBoostTo(EvtVector3R)</data4/wilrome/gauss/soft/
  5  0.00%  99.99%   0x00002aaaabbe0f00   EvtRaritaSchwinger::applyBoostTo(EvtVector4R)</data4/wilrome/gauss/soft/
  2  0.00%  100.00%  0x00002aaaabbe0a90   EvtRaritaSchwinger::getSpinor(int) const</data4/wilrome/gauss/soft/lhcb/
  1  0.00%  100.00%  0x00002aaaabbe1a10   EvtRaritaSchwinger::operator+=(EvtRaritaSchwinger const&)</data4/wilrome
  4  0.00%  99.99%   0x00002aaaabbe0b70   EvtRaritaSchwinger::setSpinor(int, EvtDiracSpinor const&)</data4/wilrome
  5  0.00%  99.99%   0x00002aaaabbe09e0   EvtRaritaSchwinger::setVector(int, EvtVector4C const&)</data4/wilrome/ga
  4  0.00%  99.99%   0x00002aaaabbe1fb0   EvtRaritaSchwingerParticle::~EvtRaritaSchwingerParticle()</data4/wilrome
 15  0.00%  99.97%   0x00002aaaabbe2240   EvtRaritaSchwingerParticle::EvtRaritaSchwingerParticle()</data4/wilrome/
 40  0.00%  99.94%   0x00002aaaabbe53d0   EvtRaritaSchwingerParticle::init(EvtId, EvtVector4R const&)</data4/wilro
  1  0.00%  100.00%  0x00002aaaabbe7c30   EvtRelBreitWignerBarrierFact::EvtRelBreitWignerBarrierFact(double, doubl
  4  0.00%  99.99%   0x00002aaaabbe7db0   EvtRelBreitWignerBarrierFact::EvtRelBreitWignerBarrierFact(EvtRelBreitWi
 21  0.00%  99.96%   0x00002aaaabbe7f00   EvtRelBreitWignerBarrierFact::getMassProb(double, double, int, double*)<
 15  0.00%  99.97%   0x00002aaaabbe7f70   EvtRelBreitWignerBarrierFact::getRandMass(EvtId*, int, EvtId*, EvtId*, d
 24  0.00%  99.96%   0x00002aaaabbe9740   EvtResonance2::resAmpl()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
  2  0.00%  100.00%  0x00002aaaabbec5e0   EvtScalarParticle::~EvtScalarParticle()</data4/wilrome/gauss/soft/lhcb/G
```

```
 10  0.00%  99.98%   0x00002aaaabbec600   EvtScalarParticle::init(EvtId, EvtVector4R const&)</data4/wilrome/gauss/
  4  0.00%  99.99%   0x00002aaaabbecc20   EvtSemiLeptonicAmp::CalcMaxProb(EvtId, EvtId, EvtId, EvtId, EvtSemiLepto
  2  0.00%  100.00%  0x00002aaaabbed5e0   EvtSemiLeptonicScalarAmp::CalcAmp(EvtParticle*, EvtAmp&, EvtSemiLeptonic
 35  0.00%  99.94%   0x00002aaaabbf6160   EvtSemiLeptonicVectorAmp::CalcAmp(EvtParticle*, EvtAmp&, EvtSemiLeptonic
114  0.00%  99.87%   0x00002aaaabbfc970   EvtSpinDensity::~EvtSpinDensity()</data4/wilrome/gauss/soft/lhcb/GAUSS/G
 88  0.00%  99.89%   0x00002aaaabbfd1d0   EvtSpinDensity::Check()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5
 10  0.00%  99.98%   0x00002aaaabbfca80   EvtSpinDensity::EvtSpinDensity()</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
 42  0.00%  99.94%   0x00002aaaabbfcc40   EvtSpinDensity::EvtSpinDensity(EvtSpinDensity const&)</data4/wilrome/gau
  6  0.00%  99.99%   0x00002aaaabbfcdf0   EvtSpinDensity::Get(int, int) const</data4/wilrome/gauss/soft/lhcb/GAUSS
 62  0.00%  99.91%   0x00002aaaabbfcef0   EvtSpinDensity::NormalizedProb(EvtSpinDensity const&)</data4/wilrome/gau
 63  0.00%  99.91%   0x00002aaaabbfcbc0   EvtSpinDensity::operator=(EvtSpinDensity const&)</data4/wilrome/gauss/so
 21  0.00%  99.96%   0x00002aaaabbfcd90   EvtSpinDensity::Set(int, int, EvtComplex const&)</data4/wilrome/gauss/so
 39  0.00%  99.94%   0x00002aaaabbfce40   EvtSpinDensity::SetDiag(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_
163  0.00%  99.83%   0x00002aaaabbfcaa0   EvtSpinDensity::SetDim(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
 10  0.00%  99.98%   0x00002aaaabc0ba60   EvtSVPHelAmp::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/G
  1  0.00%  100.00%  0x00002aaaabc154c0   EvtSVS::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
  2  0.00%  100.00%  0x00002aaaabc1ac10   EvtSymTable::Get(std::string const&, int&)</data4/wilrome/gauss/soft/lhc
  6  0.00%  99.99%   0x00002aaaabc24c80   EvtTensor4C::~EvtTensor4C()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
  4  0.00%  99.99%   0x00002aaaabc263a0   EvtTensor4C::addDirProd(EvtVector4R const&, EvtVector4R const&)</data4/w
 92  0.00%  99.89%   0x00002aaaabc26b20   EvtTensor4C::cont1(EvtVector4C const&) const</data4/wilrome/gauss/soft/l
 11  0.00%  99.98%   0x00002aaaabc26e20   EvtTensor4C::cont1(EvtVector4R const&) const</data4/wilrome/gauss/soft/l
 27  0.00%  99.95%   0x00002aaaabc25090   EvtTensor4C::EvtTensor4C()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
171  0.00%  99.82%   0x00002aaaabc24bf0   EvtTensor4C::EvtTensor4C(EvtTensor4C const&)</data4/wilrome/gauss/soft/l
  3  0.00%  100.00%  0x00002aaaabc24fc0   EvtTensor4C::g()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/Ev
 27  0.00%  99.95%   0x00002aaaabc25df0   EvtTensor4C::operator*=(EvtComplex const&)</data4/wilrome/gauss/soft/lhc
 30  0.00%  99.95%   0x00002aaaabc24cf0   EvtTensor4C::operator+=(EvtTensor4C const&)</data4/wilrome/gauss/soft/lh
 28  0.00%  99.95%   0x00002aaaabc24c90   EvtTensor4C::operator-=(EvtTensor4C const&)</data4/wilrome/gauss/soft/lh
 16  0.00%  99.97%   0x00002aaaabc25040   EvtTensor4C::operator=(EvtTensor4C const&)</data4/wilrome/gauss/soft/lhc
  3  0.00%  100.00%  0x00002aaaabc25b90   EvtTensor4C::setdiag(double, double, double, double)</data4/wilrome/gaus
  7  0.00%  99.99%   0x00002aaaabc276f0   EvtTensorParticle::epsTensor(int) const</data4/wilrome/gauss/soft/lhcb/G
  3  0.00%  100.00%  0x00002aaaabc272a0   EvtTensorParticle::init(EvtId, double, double, double, double)</data4/wi
  4  0.00%  99.99%   0x00002aaaabc275d0   EvtTensorParticle::init(EvtId, EvtVector4R const&)</data4/wilrome/gauss/
  5  0.00%  99.99%   0x00002aaaabc296c0   EvtTSS::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
 49  0.00%  99.93%   0x00002aaaabc2a300   EvtTVSPwave::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
  1  0.00%  100.00%  0x00002aaaabc2d120   EvtTwoBodyKine::~EvtTwoBodyKine()</data4/wilrome/gauss/soft/lhcb/GAUSS/G
  4  0.00%  99.99%   0x00002aaaabc2cfe0   EvtTwoBodyKine::EvtTwoBodyKine(double, double, double)</data4/wilrome/ga
 19  0.00%  99.96%   0x00002aaaabc2d160   EvtTwoBodyKine::p(EvtTwoBodyKine::Index) const</data4/wilrome/gauss/soft
  1  0.00%  100.00%  0x00002aaaabc2d550   EvtTwoBodyVertex::EvtTwoBodyVertex(double, double, double, int)</data4/w
  4  0.00%  99.99%   0x00002aaaabc2d6b0   EvtTwoBodyVertex::EvtTwoBodyVertex(EvtTwoBodyVertex const&)</data4/wilro
  2  0.00%  100.00%  0x00002aaaabc2d8c0   EvtTwoBodyVertex::formFactor(EvtTwoBodyKine) const</data4/wilrome/gauss/
  5  0.00%  99.99%   0x00002aaaabc2d930   EvtTwoBodyVertex::widthFactor(EvtTwoBodyKine) const</data4/wilrome/gauss
  1  0.00%  100.00%  0x00002aaaabc2e2f0   EvtVector3C::~EvtVector3C()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
  4  0.00%  99.99%   0x00002aaaabc2e300   EvtVector3C::EvtVector3C(EvtComplex const&, EvtComplex const&, EvtComple
 11  0.00%  99.98%   0x00002aaaabc2eab0   EvtVector3R::~EvtVector3R()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
```

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    9  0.00%  99.98%   0x00002aaaabc2eb50   EvtVector3R::EvtVector3R(double, double, double)</data4/wilrome/gauss/so
    8  0.00%  99.99%   0x00002aaaabc2ef10   EvtVector4C::~EvtVector4C()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
   82  0.00%  99.90%   0x00002aaaabc2f460   EvtVector4C::applyBoostTo(EvtVector3R const&)</data4/wilrome/gauss/soft/
   12  0.00%  99.98%   0x00002aaaabc2f8b0   EvtVector4C::applyBoostTo(EvtVector4R const&)</data4/wilrome/gauss/soft/
   70  0.00%  99.91%   0x00002aaaabc2f020   EvtVector4C::EvtVector4C()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
   14  0.00%  99.97%   0x00002aaaabc2ef20   EvtVector4C::EvtVector4C(EvtComplex const&, EvtComplex const&, EvtComple
  133  0.00%  99.85%   0x00002aaaabc2fe60   EvtVector4R::applyBoostTo(EvtVector3R const&)</data4/wilrome/gauss/soft/
   66  0.00%  99.91%   0x00002aaaabc300a0   EvtVector4R::applyBoostTo(EvtVector4R const&)</data4/wilrome/gauss/soft/
   54  0.00%  99.92%   0x00002aaaabc2fbc0   EvtVector4R::applyRotateEuler(double, double, double)</data4/wilrome/gau
   13  0.00%  99.98%   0x00002aaaabc301e0   EvtVector4R::d3mag() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v3
    6  0.00%  99.99%   0x00002aaaabc2fb30   EvtVector4R::EvtVector4R(double, double, double, double)</data4/wilrome/
  357  0.00%  99.69%   0x00002aaaabc2fb50   EvtVector4R::mass() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30
   24  0.00%  99.96%   0x00002aaaabc34d70   EvtVectorParticle::eps(int) const</data4/wilrome/gauss/soft/lhcb/GAUSS/G
   13  0.00%  99.98%   0x00002aaaabc34ed0   EvtVectorParticle::epsParent(int) const</data4/wilrome/gauss/soft/lhcb/G
   16  0.00%  99.97%   0x00002aaaabc31d50   EvtVectorParticle::init(EvtId, EvtVector4R const&)</data4/wilrome/gauss/
    5  0.00%  99.99%   0x00002aaaabc372d0   EvtVSPPwave::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
   37  0.00%  99.94%   0x00002aaaabc3bea0   EvtVSS::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
   45  0.00%  99.93%   0x00002aaaabc3e9d0   EvtVub::init()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Gen/EvtG
   13  0.00%  99.98%   0x00002aaaabc42210   EvtVVSPwave::decay(EvtParticle*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GA
    1  0.00%  100.00%  0x0000003061003cd0   expand_dynamic_string_token</lib64/ld-2.3.4.so>
   18  0.00%  99.96%   0x00002b5ca4fb2420   exprAnalyze</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd
    4  0.00%  99.99%   0x00002b5ca4fb2dc0   exprAnalyzeAll</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_
    9  0.00%  99.98%   0x00002b5ca4fb2210   exprListTableUsage</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/s
   10  0.00%  99.98%   0x00002b5ca4f89260   exprNodeIsConstant</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/s
    8  0.00%  99.98%   0x00002b5ca4fb2100   exprSelectTableUsage</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0
   45  0.00%  99.93%   0x00002b5ca4fb2180   exprTableUsage</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_
    1  0.00%  100.00%  0x00002aaaab4ee730   ExternalGenerator::initialize()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAU
    4  0.00%  99.99%   0x00002aaaab4f0a10   ExternalGenerator::prepareInteraction(KeyedContainer<LHCb::HepMCEvent, C
    3  0.00%  100.00%  0x00002aaaabf4cbf0   f__icvt</usr/lib64/libg2c.so.0.0.0>
    1  0.00%  100.00%  0x00002aaaabf53320   f__inode</usr/lib64/libg2c.so.0.0.0>
    1  0.00%  100.00%  0x00002aaaabf4f7d0   f__putbuf</usr/lib64/libg2c.so.0.0.0>
    2  0.00%  100.00%  0x00002b5c99fce530   FakeEventTime::getTime() const</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_
  337  0.00%  99.71%   0x0000003061506bf0   feholdexcept</lib64/tls/libm-2.3.4.so>
  264  0.00%  99.76%   0x0000003061506b90   fesetround</lib64/tls/libm-2.3.4.so>
   41  0.00%  99.94%   0x00002b5ca4f7a410   fetchPayload</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_am
17578  0.03%  95.51%   0x00002b5c97c20210   fill_window</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_am
    3  0.00%  99.99%   0x00002b5ca4f7c310   fillInCell</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd6
    1  0.00%  100.00%  0x00002b5ca4fa07f0   finalizeAggFunctions</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0
   65  0.00%  99.91%   0x00002b5ca4f8de20   findElementGivenHash</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0
   11  0.00%  99.98%   0x00002b5ca4f78520   findOverflowCell</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc
   51  0.00%  99.92%   0x00002b5ca4fb2280   findTerm</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_
    2  0.00%  100.00%  0x00002aaaab3017b0   FixedLuminosity::numberOfPileUp(double&)</data4/wilrome/gauss/soft/lhcb/
  136  0.00%  99.85%   0x0000003061006aa50   fixup</lib64/ld-2.3.4.so>
   12  0.00%  99.98%   0x00002b5ca05a2370   float* std::fill_n<float*, unsigned long, float>(float*, unsigned long,
    8  0.00%  99.99%   0x00002b5c97c1f140   flush_pending</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
```

```
   2  0.00%  100.00%  0x00002b5c96d4f050   format(char const*, ...)</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
   1  0.00%  100.00%  0x00002b5c9be64340   frame_dummy</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Geant4/
  35  0.00%   99.94%  0x00002b5ca4fae330   freeP3</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/slc4_amd64_gc
   1  0.00%  100.00%  0x00002b5c993f8020   G__add_compiledheader</data4/wilrome/gauss/soft/lcg/external/root/5.14.0
   1  0.00%  100.00%  0x00002b5c993e8e00   G__add_setup_func</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/s
   1  0.00%  100.00%  0x00002b5c993df5b0   G__add_templatefunc</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
  79  0.00%   99.90%  0x00002b5c99456070   G__allocvariable</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
   2  0.00%  100.00%  0x00002b5c99408aa0   G__bstore</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd6
   1  0.00%  100.00%  0x00002b5c993f5320   G__check_setup_version</data4/wilrome/gauss/soft/lcg/external/root/5.14.
  42  0.00%   99.93%  0x00002b5c993edc60   G__checkIfOnlyFunction</data4/wilrome/gauss/soft/lcg/external/root/5.14.
  23  0.00%   99.96%  0x00002b5c9943e260   G__class_autoloading</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   1  0.00%  100.00%  0x00002b5c993aa2e0   G__close_inputfiles</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
   1  0.00%  100.00%  0x00002b5c9932a400   G__compiled_func</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
   1  0.00%  100.00%  0x00002b5c984e9f82   G__cpp_reset_tagtableG__Tree</data4/wilrome/gauss/soft/lcg/external/root
   1  0.00%  100.00%  0x00002b5ca03c9354   G__cpp_setup_func1()</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   1  0.00%  100.00%  0x00002b5ca107b874   G__cpp_setup_func2()</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   1  0.00%  100.00%  0x00002b5ca107e9be   G__cpp_setup_func3()</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   1  0.00%  100.00%  0x00002b5ca03d21c4   G__cpp_setup_func4()</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   1  0.00%  100.00%  0x00002b5c984e973e   G__cpp_setup_func5()</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   1  0.00%  100.00%  0x00002b5c98c2e4d0   G__cpp_setup_global2()</data4/wilrome/gauss/soft/lcg/external/root/5.14.
   2  0.00%  100.00%  0x00002b5c97ebc656   G__cpp_setup_global3()</data4/wilrome/gauss/soft/lcg/external/root/5.14.
   1  0.00%  100.00%  0x00002b5c97ebeb76   G__cpp_setup_global4()</data4/wilrome/gauss/soft/lcg/external/root/5.14.
   1  0.00%  100.00%  0x00002b5c97f8b250   G__cpp_setup_inheritanceG__Meta</data4/wilrome/gauss/soft/lcg/external/r
   1  0.00%  100.00%  0x00002b5c984a6a76   G__cpp_setup_inheritanceG__Tree</data4/wilrome/gauss/soft/lcg/external/r
   1  0.00%  100.00%  0x00002b5c9a60ef0a   G__cpp_setup_tagtableG__MathCore32</data4/wilrome/gauss/soft/lcg/externa
   1  0.00%  100.00%  0x00002b5c9a5568b0   G__cpp_setup_typetableG__MathCore</data4/wilrome/gauss/soft/lcg/external
   1  0.00%  100.00%  0x00002b5c9802d83c   G__cpp_setupG__MetaUtils</data4/wilrome/gauss/soft/lcg/external/root/5.1
   5  0.00%   99.99%  0x00002b5c99446d80   G__createtemplateclass</data4/wilrome/gauss/soft/lcg/external/root/5.14.
   5  0.00%   99.99%  0x00002b5c99448430   G__createtemplatefunc</data4/wilrome/gauss/soft/lcg/external/root/5.14.0
 849  0.00%   99.42%  0x00002b5c993f5240   G__CurrentCall</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
   4  0.00%   99.99%  0x00002b5c99448fe0   G__declare_template</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
   2  0.00%  100.00%  0x00002b5c99449d00   G__define_type</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
   2  0.00%  100.00%  0x00002b5c9939e990   G__define_var</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
   2  0.00%  100.00%  0x00002b5c993f1f80   G__define</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd6
   9  0.00%   99.98%  0x00002b5c994111e0   G__defined_macro</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
7129  0.01%   97.87%  0x00002b5c9943e360   G__defined_tagname</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/
 127  0.00%   99.86%  0x00002b5c99443980   G__defined_templateclass</data4/wilrome/gauss/soft/lcg/external/root/5.1
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3563  0.01%   98.60%  0x00002b5c99449930   G__defined_typename</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
   3  0.00%   99.99%  0x00002b5c99411e00   G__exec_statement</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/s
   1  0.00%  100.00%  0x00002b5c9939ad20   G__exec_tempfile_core</data4/wilrome/gauss/soft/lcg/external/root/5.14.0
   8  0.00%   99.98%  0x00002b5c993be6c0   G__fgetc</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64
  12  0.00%   99.98%  0x00002b5c993c1030   G__fgetname_template</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   3  0.00%   99.99%  0x00002b5c993bfb60   G__fgetname</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_am
```

```
    1  0.00%  100.00%  0x00002b5c993c0260   G__fgetspace</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_a
    3  0.00%  99.99%   0x00002b5c993c06e0   G__fgetstream_template</data4/wilrome/gauss/soft/lcg/external/root/5.14.
    1  0.00%  100.00%  0x00002b5c993bf430   G__fgetstream</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
    1  0.00%  100.00%  0x00002b5c993bfdf0   G__fgetvarname</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
   12  0.00%  99.98%   0x00002b5c993bf1e0   G__fignorestream</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
   20  0.00%  99.96%   0x00002b5c9943e0e0   G__find_first_scope_operator</data4/wilrome/gauss/soft/lcg/external/root
  557  0.00%  99.57%   0x00002b5c9943e180   G__find_last_scope_operator</data4/wilrome/gauss/soft/lcg/external/root/
    3  0.00%  99.99%   0x00002b5c993a9a40   G__free_ifunc_table</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
    1  0.00%  100.00%  0x00002b5c99436820   G__free_struct_upto</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
   25  0.00%  99.96%   0x00002b5c9944d160   G__fulltagname</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
    1  0.00%  100.00%  0x00002b5c97c86cc6   G__G__Base1_176_0_22(G__value*, char const*, G__param*, int)</data4/wilr
    1  0.00%  100.00%  0x00002b5c97dc08f2   G__G__Base2_271_0_110(G__value*, char const*, G__param*, int)</data4/wil
    1  0.00%  100.00%  0x00002b5c987d045c   G__G__Hist_161_0_208(G__value*, char const*, G__param*, int)</data4/wilr
    1  0.00%  100.00%  0x00002b5c9846a700   G__G__Tree_159_0_44(G__value*, char const*, G__param*, int)</data4/wilro
   41  0.00%  99.94%   0x00002b5c9943dff0   G__get_envtagnum</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
   10  0.00%  99.98%   0x00002b5c993f7120   G__get_linked_tagnum</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
    1  0.00%  100.00%  0x00002b5c993e6d70   G__get_methodhandle</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
    1  0.00%  100.00%  0x00002b5c993ed2c0   G__getcintsysdir</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
   14  0.00%  99.97%   0x00002b5c9943c3c0   G__getcomment</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
    5  0.00%  99.99%   0x00002b5c9943c590   G__getcommenttypedef</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   21  0.00%  99.96%   0x00002b5c993ada80   G__getexpr</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
    2  0.00%  100.00%  0x00002b5c993d3d00   G__getfunction</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
   26  0.00%  99.95%   0x00002b5c994051c0   G__getgvp</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd6
    1  0.00%  100.00%  0x00002b5c993ac3d0   G__getitem</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
    2  0.00%  100.00%  0x00002b5c994050b0   G__getnumbaseclass</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/
    2  0.00%  100.00%  0x00002b5c993c0340   G__getstream_template</data4/wilrome/gauss/soft/lcg/external/root/5.14.0
 1828  0.00%  99.04%   0x00002b5c993be920   G__getstream</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_a
  556  0.00%  99.57%   0x00002b5c99405600   G__getstructoffset</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/
    2  0.00%  100.00%  0x00002b5c9945b2d0   G__getvariable</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
   49  0.00%  99.93%   0x00002b5c993d93d0   G__ifunc_exist</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
    1  0.00%  100.00%  0x00002b5c993f0c70   G__include_file</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
    2  0.00%  100.00%  0x00002b5c99404f40   G__incsetup_memvar</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/
    3  0.00%  99.99%   0x00002b5c993fede0   G__inheritance_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
  167  0.00%  99.83%   0x00002b5c993e8c20   G__isanybase</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_a
   78  0.00%  99.90%   0x00002b5c9943e030   G__isenclosingclass</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
  125  0.00%  99.86%   0x00002b5c9943e070   G__isenclosingclassbase</data4/wilrome/gauss/soft/lcg/external/root/5.14
    2  0.00%  100.00%  0x00002b5c9944f620   G__isfloat</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
   16  0.00%  99.97%   0x00002b5c9944f790   G__isoperator</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
    4  0.00%  99.99%   0x00002b5c993e8cd0   G__ispublicbase</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
    5  0.00%  99.99%   0x00002b5c993bdf80   G__isstoragekeyword</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
    1  0.00%  100.00%  0x00002b5c99447800   G__istemplatearg</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
    1  0.00%  100.00%  0x00002b5c99418d10   G__keyword_anytime_8</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   85  0.00%  99.89%   0x00002b5c994053e0   G__lastifuncposition</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
   15  0.00%  99.97%   0x00002b5c99464d90   G__letvariable</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
    1  0.00%  100.00%  0x00002b5c993c4a80   G__library_func</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
```

```
  2  0.00%  100.00%  0x00002b5c993ef100   G__loadfile</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_am
482  0.00%   99.62%  0x00002b5c99419cb0   G__LockCriticalSection</data4/wilrome/gauss/soft/lcg/external/root/5.14.
 34  0.00%   99.94%  0x00002b5c993e3bf0   G__make_ifunctable</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/
  1  0.00%  100.00%  0x00002b5c993f2e50   G__malloc</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd6
  5  0.00%   99.99%  0x00002b5c993f62b0   G__map_cpp_name</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
 15  0.00%   99.97%  0x00002b5c993ff1e0   G__memfunc_next</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
 27  0.00%   99.95%  0x00002b5c993ff3e0   G__memfunc_para_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.0
 27  0.00%   99.95%  0x00002b5c993ff880   G__memfunc_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
  7  0.00%   99.99%  0x00002b5c993fef00   G__memvar_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
 29  0.00%   99.95%  0x00002b5c993de460   G__overload_match</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/s
 23  0.00%   99.96%  0x00002b5c993ff5e0   G__parse_parameter_link</data4/wilrome/gauss/soft/lcg/external/root/5.14
  1  0.00%  100.00%  0x00002b5c99418010   G__pp_command</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
  1  0.00%  100.00%  0x00002b5c99417e60   G__pp_if</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64
  1  0.00%  100.00%  0x00002b5c99410b20   G__pp_skip</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
  2  0.00%  100.00%  0x00002b5c993ee830   G__preprocessor</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
  2  0.00%  100.00%  0x00002b5c9941c1e0   G__process_cmd</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
  1  0.00%  100.00%  0x00002b5c993de9c0   G__rate_parameter_match</data4/wilrome/gauss/soft/lcg/external/root/5.14
  1  0.00%  100.00%  0x00002b5c99442970   G__read_formal_templatearg</data4/wilrome/gauss/soft/lcg/external/root/5
  1  0.00%  100.00%  0x00002b5c993d95e0   G__readansiproto</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
  1  0.00%  100.00%  0x00002b5c993389d0   G__replacesymbol_body(char const*)</data4/wilrome/gauss/soft/lcg/externa
  1  0.00%  100.00%  0x00002b5c99338a90   G__replacesymbol</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
  1  0.00%  100.00%  0x00002b5c994052e0   G__resetglobalenv</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/s
  2  0.00%  100.00%  0x00002b5c993d8910   G__savestring</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
 14  0.00%   99.97%  0x00002b5c994066e0   G__scopeoperator</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/sl
  8  0.00%   99.98%  0x00002b5c994399d0   G__search_func</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
106  0.00%   99.87%  0x00002b5c9943f060   G__search_tagname</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/s
554  0.00%   99.58%  0x00002b5c9944c6a0   G__search_typename</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/
  6  0.00%   99.99%  0x00002b5c9944caa0   G__search_typename2</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
111  0.00%   99.87%  0x00002b5c9945aa00   G__searchvariable</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/s
  1  0.00%  100.00%  0x00002b5c9941a5f0   G__security_recover</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
 51  0.00%   99.92%  0x00002b5c993ff360   G__separate_parameter</data4/wilrome/gauss/soft/lcg/external/root/5.14.0
  1  0.00%  100.00%  0x00002b5c9943e250   G__set_class_autoloading_callback</data4/wilrome/gauss/soft/lcg/external
 14  0.00%   99.97%  0x00002b5c9943f710   G__set_class_autoloading_table</data4/wilrome/gauss/soft/lcg/external/ro
  3  0.00%   99.99%  0x00002b5c9943e240   G__set_class_autoloading</data4/wilrome/gauss/soft/lcg/external/root/5.1
  2  0.00%  100.00%  0x00002b5c9939a780   G__setdebugcond</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
  1  0.00%  100.00%  0x00002b5c994051d0   G__setgvp</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd6
  1  0.00%  100.00%  0x00002b5c994050d0   G__setnewtype_settypeum</data4/wilrome/gauss/soft/lcg/external/root/5.14
  2  0.00%  100.00%  0x00002b5c994050e0   G__setnewtype</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_
565  0.00%   99.57%  0x00002b5c994055b0   G__setnull</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
576  0.00%   99.56%  0x00002b5c99419c30   G__settemplevel</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
  1  0.00%  100.00%  0x00002b5c9a56eebc   G__setup_memfuncROOTcLcLMathcLcLDisplacementVector3DlEROOTcLcLMathcLcLCa
  1  0.00%  100.00%  0x00002b5c97df024c   G__setup_memfuncTString()</data4/wilrome/gauss/soft/lcg/external/root/5.
  1  0.00%  100.00%  0x00002b5c984b409a   G__setup_memfuncTTree()</data4/wilrome/gauss/soft/lcg/external/root/5.14
  1  0.00%  100.00%  0x00002b5c97df718a   G__setup_memfuncTUUID()</data4/wilrome/gauss/soft/lcg/external/root/5.14
```

```
  1  0.00%  100.00%  0x00002b5ca166e458   G__setup_memvarlesslEintgR()</data4/wilrome/gauss/soft/lcg/external/root
  1  0.00%  100.00%  0x00002b5ca184242e   G__setup_memvarlesslEstringgR()</data4/wilrome/gauss/soft/lcg/external/r
  1  0.00%  100.00%  0x00002b5c984b103a   G__setup_memvarTLeafElement()</data4/wilrome/gauss/soft/lcg/external/roo
  1  0.00%  100.00%  0x00002b5c99437c10   G__shl_findsym</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
  2  0.00%  100.00%  0x00002b5c99438610   G__shl_load</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_am
  2  0.00%  100.00%  0x00002b5c9943b1e0   G__sizeof</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd6
 13  0.00%  99.97%   0x00002b5c99410a30   G__skip_comment</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc
  1  0.00%  100.00%  0x00002b5c993978a0   G__split</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd64
194  0.00%  99.80%   0x00002b5c99436380   G__store_dictposition</data4/wilrome/gauss/soft/lcg/external/root/5.14.0
  1  0.00%  100.00%  0x00002b5c9944f8d0   G__string2type_body</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
  1  0.00%  100.00%  0x00002b5c9944ffc0   G__string2type</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
 13  0.00%  99.97%   0x00002b5c993ec710   G__strrstr</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4_amd
  1  0.00%  100.00%  0x00002b5c993ffbf0   G__tag_memfunc_reset</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
 46  0.00%  99.93%   0x00002b5c993ff290   G__tag_memfunc_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
  1  0.00%  100.00%  0x00002b5c993fee30   G__tag_memvar_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h
 11  0.00%  99.98%   0x00002b5c993fea00   G__tagtable_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/s
352  0.00%  99.70%   0x00002b5c9944d330   G__type2string</data4/wilrome/gauss/soft/lcg/external/root/5.14.00h/slc4
188  0.00%  99.81%   0x00002b5c99419d00   G__UnlockCriticalSection</data4/wilrome/gauss/soft/lcg/external/root/5.1
  5  0.00%  99.99%   0x00002b5c993ffbd0   G__usermemfunc_setup</data4/wilrome/gauss/soft/lcg/external/root/5.14.00
 29  0.00%  99.95%   0x00002b5c9c166dc0   G4AllocatorPool::Grow()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
 29  0.00%  99.95%   0x00002b5c9c166d40   G4AllocatorPool::Reset()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
 51  0.00%  99.92%   0x00002b5c9bf9baa0   G4Alpha::Alpha()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Ge
  1  0.00%  100.00%  0x00002b5c9bf9bab0   G4Alpha::AlphaDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
320  0.00%  99.72%   0x00002b5c9bf9b6a0   G4Alpha::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
  6  0.00%  99.99%   0x00002b5ca2cbe1c0   G4AlphaCoulombBarrier::BarrierPenetrationFactor(double) const</data4/wil
  2  0.00%  100.00%  0x00002b5ca2cbf370   G4AlphaEvaporationProbability::CCoeficient(double) const</data4/wilrome/
  2  0.00%  100.00%  0x00002b5c9bf9d820   G4AntiKaonZero::AntiKaonZero()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
 14  0.00%  99.97%   0x00002b5c9bf9caa0   G4AntiKaonZero::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
 29  0.00%  99.95%   0x00002b5c9bf9ea60   G4AntiLambda::AntiLambda()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
222  0.00%  99.79%   0x00002b5c9bf9dd20   G4AntiLambda::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
  2  0.00%  100.00%  0x00002b5c9bf9eed0   G4AntiNeutrinoE::AntiNeutrinoE()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
  5  0.00%  99.99%   0x00002b5c9bf9eae0   G4AntiNeutrinoE::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
 74  0.00%  99.90%   0x00002b5c9bf9fc30   G4AntiNeutron::AntiNeutron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
203  0.00%  99.80%   0x00002b5c9bf9f830   G4AntiNeutron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
  6  0.00%  99.99%   0x00002b5ca2cca300   G4AntiNeutronAnnihilationAtRest::AntiNeutronAnnihilation(int*)</data4/wi
  2  0.00%  100.00%  0x00002b5ca2cc9f30   G4AntiNeutronAnnihilationAtRest::ExNu(float)</data4/wilrome/gauss/soft/l
  4  0.00%  99.99%   0x00002b5ca2ccb780   G4AntiNeutronAnnihilationAtRest::GenerateSecondaries()</data4/wilrome/ga
  1  0.00%  100.00%  0x00002b5ca2cc9b60   G4AntiNeutronAnnihilationAtRest::Normal(float*)</data4/wilrome/gauss/sof
  1  0.00%  100.00%  0x00002b5ca2cc9c30   G4AntiNeutronAnnihilationAtRest::Poisso(float, int*)</data4/wilrome/gaus
  2  0.00%  100.00%  0x00002b5c9bfa1340   G4AntiOmegaMinus::AntiOmegaMinus()</data4/wilrome/gauss/soft/lhcb/GEANT4
211  0.00%  99.79%   0x00002b5c9bfa0130   G4AntiOmegaMinus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
 20  0.00%  99.96%   0x00002b5c9bfa17c0   G4AntiProton::AntiProton()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
175  0.00%  99.82%   0x00002b5c9bfa13c0   G4AntiProton::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
  8  0.00%  99.98%   0x00002b5ca2ccd740   G4AntiProtonAnnihilationAtRest::AntiProtonAnnihilation(int*)</data4/wilr
  2  0.00%  100.00%  0x00002b5ca2ccf130   G4AntiProtonAnnihilationAtRest::AtRestDoIt(G4Track const&, G4Step const&
```

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     1  0.00%  100.00%  0x00002b5ca2ccd370   G4AntiProtonAnnihilationAtRest::ExNu(float)</data4/wilrome/gauss/soft/lh
     7  0.00%   99.99%  0x00002b5ca2ccebe0   G4AntiProtonAnnihilationAtRest::GenerateSecondaries()</data4/wilrome/gau
     1  0.00%  100.00%  0x00002b5ca2cccfa0   G4AntiProtonAnnihilationAtRest::Normal(float*)</data4/wilrome/gauss/soft
   217  0.00%   99.79%  0x00002b5c9bfa35d0   G4AntiSigmaMinus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
     3  0.00%   99.99%  0x00002b5c9bfa4cd0   G4AntiSigmaPlus::AntiSigmaPlus()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
   214  0.00%   99.79%  0x00002b5c9bfa3f90   G4AntiSigmaPlus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
    18  0.00%   99.97%  0x00002b5c9bfa56b0   G4AntiSigmaZero::AntiSigmaZero()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
    39  0.00%   99.94%  0x00002b5c9bfa4d50   G4AntiSigmaZero::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
    73  0.00%   99.90%  0x00002b5c9bfa6970   G4AntiXiMinus::AntiXiMinus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
   177  0.00%   99.82%  0x00002b5c9bfa6030   G4AntiXiMinus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
    16  0.00%   99.97%  0x00002b5c9bfa7330   G4AntiXiZero::AntiXiZero()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
   165  0.00%   99.83%  0x00002b5c9bfa69f0   G4AntiXiZero::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
   395  0.00%   99.67%  0x00002b5c9c45b9e0   G4ASTARStopping::GetIndex(G4Material const*)</data4/wilrome/gauss/soft/l
     8  0.00%   99.98%  0x00002b5c9c45bb70   G4ASTARStopping::Initialise()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
   872  0.00%   99.40%  0x00002b5c9cccda70   G4AtomicShells::GetBindingEnergy(int, int)</data4/wilrome/gauss/soft/lhc
   700  0.00%   99.49%  0x00002b5c9cccdaf0   G4AtomicShells::GetNumberOfElectrons(int, int)</data4/wilrome/gauss/soft
     9  0.00%   99.98%  0x00002b5c9cccda30   G4AtomicShells::GetNumberOfShells(int)</data4/wilrome/gauss/soft/lhcb/GE
     1  0.00%  100.00%  0x00002b5ca2ce1b50   G4BaryonSplitter::G4BaryonSplitter()</data4/wilrome/gauss/soft/lhcb/GEAN
     1  0.00%  100.00%  0x00002b5ca2ce1ad0   G4BaryonSplitter::SplitBarion(int, int*, int*)</data4/wilrome/gauss/soft
    47  0.00%   99.93%  0x00002b5c9c468400   G4BetheBlochModel::ComputeCrossSectionPerElectron(G4ParticleDefinition c
   191  0.00%   99.81%  0x00002b5c9c4685b0   G4BetheBlochModel::ComputeDEDXPerVolume(G4Material const*, G4ParticleDef
     4  0.00%   99.99%  0x00002b5c9c468580   G4BetheBlochModel::CrossSectionPerVolume(G4Material const*, G4ParticleDe
  8109  0.01%   97.74%  0x00002b5c9c469670   G4BetheBlochModel::MaxSecondaryEnergy(G4ParticleDefinition const*, doubl
     1  0.00%  100.00%  0x00002b5c9c4683e0   G4BetheBlochModel::MinEnergyCut(G4ParticleDefinition const*, G4MaterialC
    24  0.00%   99.96%  0x00002b5c9c468d00   G4BetheBlochModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dyna
  3117  0.00%   98.69%  0x00002b5c9c469aa0   G4BetheHeitlerModel::ComputeCrossSectionPerAtom(G4ParticleDefinition con
     2  0.00%  100.00%  0x00002b5c9c46a770   G4BetheHeitlerModel::Initialise(G4ParticleDefinition const*, G4DataVecto
 25274  0.04%   93.83%  0x00002b5c9c46b870   G4BetheHeitlerModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dy
   107  0.00%   99.87%  0x00002b5c9ca02220   G4Box::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTransform co
   170  0.00%   99.82%  0x00002b5c9ca013c0   G4Box::CreateRotatedVertices(G4AffineTransform const&) const</data4/wilr
 74039  0.11%   86.29%  0x00002b5c9c9ffdb0   G4Box::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss
322374  0.50%   56.61%  0x00002b5c9c9ff970   G4Box::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
 94163  0.15%   83.29%  0x00002b5c9ca00460   G4Box::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
343197  0.53%   54.59%  0x00002b5c9c9ffe10   G4Box::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&,
     1  0.00%  100.00%  0x00002b5c9ca00f20   G4Box::G4Box(G4String const&, double, double, double)</data4/wilrome/gau
383372  0.59%   52.40%  0x00002b5c9c9ff210   G4Box::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft/
  9257  0.01%   97.50%  0x00002b5c9c9ff470   G4Box::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
     2  0.00%  100.00%  0x00002b5c9c46e470   G4BraggIonModel::ComputeDEDXPerVolume(G4Material const*, G4ParticleDefin
    12  0.00%   99.98%  0x00002b5c9c46e250   G4BraggIonModel::DEDX(G4Material const*, double)</data4/wilrome/gauss/so
    35  0.00%   99.94%  0x00002b5c9c46d500   G4BraggIonModel::ElectronicStoppingPower(double, double) const</data4/wi
    48  0.00%   99.93%  0x00002b5c9c46d6f0   G4BraggIonModel::HasMaterial(G4Material const*)</data4/wilrome/gauss/sof
    24  0.00%   99.96%  0x00002b5c9c46d3d0   G4BraggIonModel::HeEffChargeSquare(double, double) const</data4/wilrome/
    15  0.00%   99.97%  0x00002b5c9c46ee30   G4BraggIonModel::MaxSecondaryEnergy(G4ParticleDefinition const*, double)
    23  0.00%   99.96%  0x00002b5c9c470d50   G4BraggModel::ComputeDEDXPerVolume(G4Material const*, G4ParticleDefiniti
```

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   41  0.00%  99.94%   0x00002b5c9c470a80   G4BraggModel::DEDX(G4Material const*, double)</data4/wilrome/gauss/soft/
  217  0.00%  99.79%   0x00002b5c9c46f440   G4BraggModel::ElectronicStoppingPower(double, double) const</data4/wilro
  331  0.00%  99.71%   0x00002b5c9c46fee0   G4BraggModel::HasMaterial(G4Material const*)</data4/wilrome/gauss/soft/l
   70  0.00%  99.91%   0x00002b5c9c471700   G4BraggModel::MaxSecondaryEnergy(G4ParticleDefinition const*, double)</d
    3  0.00%  99.99%   0x00002b5c9c46f290   G4BraggModel::MinEnergyCut(G4ParticleDefinition const*, G4MaterialCutsCo
   15  0.00%  99.97%   0x00002b5c9c46f720   G4BraggModel::MolecIsInZiegler1988(G4Material const*)</data4/wilrome/gau
    1  0.00%  100.00%  0x00002b5ca2d36b20   G4CameronShellPlusPairingCorrections::GetInstance()</data4/wilrome/gauss
    4  0.00%  99.99%   0x00002b5ca2d36ce0   G4CameronTruranHilfShellCorrections::GetInstance()</data4/wilrome/gauss/
  451  0.00%  99.64%   0x00002b5ca2800620   G4ChiralInvariantPhaseSpace::ApplyYourself(G4HadProjectile const&, G4Nuc
28777  0.04%  92.83%   0x00002b5c9ca27600   G4ChordFinder::AdvanceChordLimited(G4FieldTrack&, double, double, CLHEP:
28713  0.04%  92.92%   0x00002b5c9ca28250   G4ChordFinder::ApproxCurvePointV(G4FieldTrack const&, G4FieldTrack const
54178  0.08%  88.78%   0x00002b5c9ca27b60   G4ChordFinder::FindNextChord(G4FieldTrack, double, G4FieldTrack&, double
20574  0.03%  94.80%   0x00002b5c9ca27a00   G4ChordFinder::NewStep(double, double, double&)</data4/wilrome/gauss/sof
512270 0.79%  45.80%   0x00002b5c9ca2ac60   G4ClassicalRK4::DumbStepper(double const*, double const*, double, double
 2188  0.00%  98.95%   0x00002b5c9ca2af80   G4ClassicalRK4::IntegratorOrder() const</data4/wilrome/gauss/soft/lhcb/G
    7  0.00%  99.99%   0x00002b5c9ca2c300   G4ClippablePolygon::AddVertexInOrder(CLHEP::Hep3Vector)</data4/wilrome/g
   19  0.00%  99.96%   0x00002b5c9ca2b090   G4ClippablePolygon::BehindOf(G4ClippablePolygon const&, EAxis) const</da
    3  0.00%  99.99%   0x00002b5c9ca2bbc0   G4ClippablePolygon::ClearAllVertices()</data4/wilrome/gauss/soft/lhcb/GE
   27  0.00%  99.95%   0x00002b5c9ca2bf40   G4ClippablePolygon::ClipAlongOneAxis(G4VoxelLimits const&, EAxis)</data4
  122  0.00%  99.86%   0x00002b5c9ca2bbe0   G4ClippablePolygon::ClipToSimpleLimits(std::vector<CLHEP::Hep3Vector, st
    2  0.00%  100.00%  0x00002b5c9ca2bb40   G4ClippablePolygon::G4ClippablePolygon()</data4/wilrome/gauss/soft/lhcb/
   18  0.00%  99.97%   0x00002b5c9ca2b740   G4ClippablePolygon::GetExtent(EAxis, double&, double&) const</data4/wilr
   28  0.00%  99.95%   0x00002b5c9ca2b570   G4ClippablePolygon::GetMaxPoint(EAxis) const</data4/wilrome/gauss/soft/l
   29  0.00%  99.95%   0x00002b5c9ca2b650   G4ClippablePolygon::GetMinPoint(EAxis) const</data4/wilrome/gauss/soft/l
   15  0.00%  99.97%   0x00002b5c9ca2af90   G4ClippablePolygon::GetPlanerExtent(CLHEP::Hep3Vector const&, CLHEP::Hep
   28  0.00%  99.95%   0x00002b5c9ca2b300   G4ClippablePolygon::InFrontOf(G4ClippablePolygon const&, EAxis) const</d
   20  0.00%  99.96%   0x00002b5c9ca2b820   G4ClippablePolygon::PartialClip(G4VoxelLimits const&, EAxis)</data4/wilr
    7  0.00%  99.99%   0x00002b5ca2daa0c0   G4CompetitiveFission::GetEmissionProbability() const</data4/wilrome/gaus
   17  0.00%  99.97%   0x00002b5ca2da7280   G4CompetitiveFission::Initialize(G4Fragment const&)</data4/wilrome/gauss
 2464  0.00%  98.87%   0x00002b5c9c47ce60   G4ComptonScattering::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCoup
    5  0.00%  99.99%   0x00002b5c9ca36c30   G4Cons::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTransform c
   18  0.00%  99.97%   0x00002b5c9ca362c0   G4Cons::CreateRotatedVertices(G4AffineTransform const&) const</data4/wil
135920  0.21%  75.87%   0x00002b5c9ca32890   G4Cons::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
152659  0.24%  74.32%   0x00002b5c9ca31270   G4Cons::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
 12292  0.02%  96.88%   0x00002b5c9ca34540   G4Cons::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
 24130  0.04%  94.32%   0x00002b5c9ca32be0   G4Cons::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&
100154  0.15%  81.34%   0x00002b5c9ca300e0   G4Cons::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft
  6172  0.01%  98.05%   0x00002b5c9ca30870   G4Cons::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
    7  0.00%  99.99%   0x00002b5ca2daf320   G4ContinuumGammaDeexcitation::CanDoTransition() const</data4/wilrome/gau
    6  0.00%  99.99%   0x00002b5ca2daf1a0   G4ContinuumGammaDeexcitation::CreateTransition()</data4/wilrome/gauss/so
    7  0.00%  99.99%   0x00002b5ca2daf6c0   G4ContinuumGammaTransition::~G4ContinuumGammaTransition()</data4/wilrome
  100  0.00%  99.88%   0x00002b5ca2daf840   G4ContinuumGammaTransition::E1Pdf(double)</data4/wilrome/gauss/soft/lhcb
   12  0.00%  99.98%   0x00002b5ca2dafe60   G4ContinuumGammaTransition::G4ContinuumGammaTransition(G4NuclearLevelMan
   19  0.00%  99.96%   0x00002b5ca2daf720   G4ContinuumGammaTransition::GammaTime()</data4/wilrome/gauss/soft/lhcb/G
   12  0.00%  99.98%   0x00002b5ca2dafbd0   G4ContinuumGammaTransition::SelectGamma()</data4/wilrome/gauss/soft/lhcb
```

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       8  0.00%  99.98%   0x00002b5ca2cbe5d0   G4CoulombBarrier::CalcCompoundRadius(double) const</data4/wilrome/gauss/
      60  0.00%  99.92%   0x00002b5ca2db0740   G4CoulombBarrier::GetCoulombBarrier(int, int, double) const</data4/wilro
   42636  0.07%  91.08%   0x00002b5c9c2a28a0   G4CountedObject<G4VTouchable>::~G4CountedObject()</data4/wilrome/gauss/s
   49489  0.08%  89.57%   0x00002b5c9c2a48c0   G4CountedObject<G4VTouchable>::G4CountedObject(G4VTouchable*)</data4/wil
    1338  0.00%  99.22%   0x00002b5ca2db1420   G4CrossSectionDataStore::GetCrossSection(G4DynamicParticle const*, doubl
  228867  0.35%  63.70%   0x00002b5ca2db1ca0   G4CrossSectionDataStore::GetCrossSection(G4DynamicParticle const*, G4Ele
  318564  0.49%  57.10%   0x00002b5ca2db20d0   G4CrossSectionDataStore::GetCrossSection(G4DynamicParticle const*, G4Mat
    5329  0.01%  98.18%   0x00002b5ca2db21a0   G4CrossSectionDataStore::SelectRandomIsotope(G4DynamicParticle const*, G
       3  0.00%  99.99%   0x00002b5c9ca38a10   G4CSGSolid::G4CSGSolid(G4String const&)</data4/wilrome/gauss/soft/lhcb/G
      20  0.00%  99.96%   0x00002b5c9bfa8cf0   G4DalitzDecayChannel::DecayIt(double)</data4/wilrome/gauss/soft/lhcb/GEA
       4  0.00%  99.99%   0x00002b5c9c16aba0   G4DataVector::~G4DataVector()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
       2  0.00%  100.00%  0x00002b5c9c16ac00   G4DataVector::G4DataVector()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
       1  0.00%  100.00%  0x00002b5c9c16ac60   G4DataVector::G4DataVector(unsigned long, double)</data4/wilrome/gauss/s
     145  0.00%  99.85%   0x00002b5c9c482f80   G4Decay::AtRestDoIt(G4Track const&, G4Step const&)</data4/wilrome/gauss/
     251  0.00%  99.77%   0x00002b5c9c482780   G4Decay::AtRestGetPhysicalInteractionLength(G4Track const&, G4ForceCondi
    2227  0.00%  98.93%   0x00002b5c9c4827e0   G4Decay::DecayIt(G4Track const&, G4Step const&)</data4/wilrome/gauss/sof
     503  0.00%  99.61%   0x00002b5c9c482600   G4Decay::EndTracking()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
   16690  0.03%  95.72%   0x00002b5c9c4824d0   G4Decay::GetMeanFreePath(G4Track const&, double, G4ForceCondition*)</dat
     342  0.00%  99.70%   0x00002b5c9c4824a0   G4Decay::GetMeanLifeTime(G4Track const&, G4ForceCondition*)</data4/wilro
      32  0.00%  99.95%   0x00002b5c9c482f90   G4Decay::PostStepDoIt(G4Track const&, G4Step const&)</data4/wilrome/gaus
    9821  0.02%  97.39%   0x00002b5c9c482620   G4Decay::PostStepGetPhysicalInteractionLength(G4Track const&, double, G4
     762  0.00%  99.46%   0x00002b5c9c4825b0   G4Decay::StartTracking(G4Track*)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
     786  0.00%  99.45%   0x00002b5c9bfaa4f0   G4DecayProducts::~G4DecayProducts()</data4/wilrome/gauss/soft/lhcb/GEANT
     361  0.00%  99.69%   0x00002b5c9bfaaaf0   G4DecayProducts::Boost(double, CLHEP::Hep3Vector const&)</data4/wilrome/
     766  0.00%  99.46%   0x00002b5c9bfaa680   G4DecayProducts::Boost(double, double, double)</data4/wilrome/gauss/soft
     261  0.00%  99.76%   0x00002b5c9bfa9f60   G4DecayProducts::G4DecayProducts(G4DecayProducts const&)</data4/wilrome/
     726  0.00%  99.48%   0x00002b5c9bfa9ea0   G4DecayProducts::G4DecayProducts(G4DynamicParticle const&)</data4/wilrom
     668  0.00%  99.50%   0x00002b5c9bfaa580   G4DecayProducts::PopProducts()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
     246  0.00%  99.77%   0x00002b5c9bfa9f40   G4DecayProducts::PushProducts(G4DynamicParticle*)</data4/wilrome/gauss/s
       4  0.00%  99.99%   0x00002b5c9bfacf10   G4DecayTable::~G4DecayTable()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
       2  0.00%  100.00%  0x00002b5c9bfad010   G4DecayTable::Insert(G4VDecayChannel*)</data4/wilrome/gauss/soft/lhcb/GE
    1447  0.00%  99.18%   0x00002b5c9bfacdf0   G4DecayTable::SelectADecayChannel()</data4/wilrome/gauss/soft/lhcb/GEANT
       6  0.00%  99.99%   0x00002b5ca2dfc9c0   G4Delete std::for_each<__gnu_cxx::__normal_iterator<G4Fragment**, std::v
     498  0.00%  99.61%   0x00002b5c9bfad3a0   G4Deuteron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
     103  0.00%  99.88%   0x00002b5c9bfad7a0   G4Deuteron::Deuteron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
       1  0.00%  100.00%  0x00002b5c9bfad7b0   G4Deuteron::DeuteronDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
       6  0.00%  99.99%   0x00002b5ca2db40c0   G4DeuteronCoulombBarrier::BarrierPenetrationFactor(double) const</data4/
       1  0.00%  100.00%  0x00002b5ca2db5c40   G4DeuteronEvaporationProbability::CalcAlphaParam(G4Fragment const&) cons
       1  0.00%  100.00%  0x00002b5ca2db4d70   G4DeuteronEvaporationProbability::CCoeficient(double) const</data4/wilro
      15  0.00%  99.97%   0x00002b5ca2dbb470   G4DiscreteGammaDeexcitation::CanDoTransition() const</data4/wilrome/gaus
      13  0.00%  99.97%   0x00002b5ca2dbb1f0   G4DiscreteGammaDeexcitation::CreateTransition()</data4/wilrome/gauss/sof
       5  0.00%  99.99%   0x00002b5ca2dbba70   G4DiscreteGammaTransition::~G4DiscreteGammaTransition()</data4/wilrome/g
       4  0.00%  99.99%   0x00002b5ca2dbc030   G4DiscreteGammaTransition::G4DiscreteGammaTransition(G4NuclearLevel cons
       1  0.00%  100.00%  0x00002b5ca2dbbac0   G4DiscreteGammaTransition::GetGammaEnergy()</data4/wilrome/gauss/soft/lh
```

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        9  0.00%  99.98%   0x00002b5ca2dbbaf0   G4DiscreteGammaTransition::SelectGamma()</data4/wilrome/gauss/soft/lhcb/
        4  0.00%  99.99%   0x00002b5ca2dbbae0   G4DiscreteGammaTransition::SetEnergyFrom(double)</data4/wilrome/gauss/so
       18  0.00%  99.97%   0x00002b5c9ca3d990   G4DisplacedSolid::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineT
        2  0.00%  100.00%  0x00002b5c9ca3d340   G4DisplacedSolid::CleanTransformations()</data4/wilrome/gauss/soft/lhcb/
    49029  0.08%  89.72%   0x00002b5c9ca3df50   G4DisplacedSolid::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wi
    64169  0.10%  87.70%   0x00002b5c9ca3de20   G4DisplacedSolid::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vect
     8485  0.01%  97.67%   0x00002b5c9ca3e230   G4DisplacedSolid::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/w
    24806  0.04%  94.06%   0x00002b5c9ca3e000   G4DisplacedSolid::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vec
        2  0.00%  100.00%  0x00002b5c9ca3c810   G4DisplacedSolid::G4DisplacedSolid(G4String const&, G4VSolid*, HepGeom::
   635693  0.98%  37.93%   0x00002b5c9ca3dc20   G4DisplacedSolid::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/
     7465  0.01%  97.82%   0x00002b5c9ca3dcd0   G4DisplacedSolid::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/w
    40964  0.06%  91.28%   0x00002b5c9bfaf6a0   G4DynamicParticle::~G4DynamicParticle()</data4/wilrome/gauss/soft/lhcb/G
    33397  0.05%  92.36%   0x00002b5c9bfaf8c0   G4DynamicParticle::AllocateElectronOccupancy()</data4/wilrome/gauss/soft
     1573  0.00%  99.12%   0x00002b5c9bfaf2c0   G4DynamicParticle::G4DynamicParticle()</data4/wilrome/gauss/soft/lhcb/GE
      910  0.00%  99.39%   0x00002b5c9bfaf4a0   G4DynamicParticle::G4DynamicParticle(G4DynamicParticle const&)</data4/wi
    37768  0.06%  91.82%   0x00002b5c9bfb04f0   G4DynamicParticle::G4DynamicParticle(G4ParticleDefinition*, CLHEP::Hep3V
    17513  0.03%  95.54%   0x00002b5c9bfb0170   G4DynamicParticle::G4DynamicParticle(G4ParticleDefinition*, CLHEP::Hep3V
      775  0.00%  99.45%   0x00002b5c9bfafd90   G4DynamicParticle::G4DynamicParticle(G4ParticleDefinition*, CLHEP::HepLo
      384  0.00%  99.68%   0x00002b5c9bfaf970   G4DynamicParticle::G4DynamicParticle(G4ParticleDefinition*, double, CLHE
      533  0.00%  99.59%   0x00002b5c9bfaf740   G4DynamicParticle::operator=(G4DynamicParticle const&)</data4/wilrome/ga
     3168  0.00%  98.69%   0x00002b5c9bfb0710   G4DynamicParticle::Set4Momentum(CLHEP::HepLorentzVector const&)</data4/w
      990  0.00%  99.35%   0x00002b5c9bfb0dd0   G4DynamicParticle::SetDefinition(G4ParticleDefinition*)</data4/wilrome/g
     2858  0.00%  98.77%   0x00002b5c9bfb0610   G4DynamicParticle::SetMomentum(CLHEP::Hep3Vector const&)</data4/wilrome/
      196  0.00%  99.80%   0x00002b5ca2dc07d0   G4E1Probability::EmissionIntegration(G4Fragment const&, double, double,
       13  0.00%  99.97%   0x00002b5ca2dc08e0   G4E1Probability::EmissionProbability(G4Fragment const&, double)</data4/w
     4075  0.01%  98.47%   0x00002b5ca2dc0590   G4E1Probability::EmissionProbDensity(G4Fragment const&, double)</data4/w
    13292  0.02%  96.64%   0x00002b5c9c495b30   G4eBremsstrahlung::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCouple
      514  0.00%  99.60%   0x00002b5c9c491bf0   G4eBremsstrahlungModel::ComputeBremLoss(double, double, double)</data4/w
      388  0.00%  99.67%   0x00002b5c9c491f40   G4eBremsstrahlungModel::ComputeCrossSectionPerAtom(G4ParticleDefinition
     1752  0.00%  99.07%   0x00002b5c9c492840   G4eBremsstrahlungModel::ComputeDEDXPerVolume(G4Material const*, G4Partic
        2  0.00%  100.00%  0x00002b5c9c493340   G4eBremsstrahlungModel::ComputePartialSumSigma(G4Material const*, double
     1693  0.00%  99.09%   0x00002b5c9c492390   G4eBremsstrahlungModel::CrossSectionPerVolume(G4Material const*, G4Parti
        1  0.00%  100.00%  0x00002b5c9c493480   G4eBremsstrahlungModel::Initialise(G4ParticleDefinition const*, G4DataVe
     1949  0.00%  99.01%   0x00002b5c9c4948a0   G4eBremsstrahlungModel::MaxSecondaryEnergy(G4ParticleDefinition const*,
      121  0.00%  99.86%   0x00002b5c9c4919c0   G4eBremsstrahlungModel::PositronCorrFactorLoss(double, double, double)</
       95  0.00%  99.89%   0x00002b5c9c491e80   G4eBremsstrahlungModel::PositronCorrFactorSigma(double, double, double)<
   200655  0.31%  67.28%   0x00002b5c9c4936c0   G4eBremsstrahlungModel::SampleSecondaries(G4MaterialCutsCouple const*, G
    18523  0.03%  95.37%   0x00002b5c9c4921b0   G4eBremsstrahlungModel::SelectRandomAtom(G4MaterialCutsCouple const*)</d
    28499  0.04%  93.14%   0x00002b5c9c491ad0   G4eBremsstrahlungModel::SupressionFunction(G4Material const*, double, do
       25  0.00%  99.96%   0x00002b5c9c4994f0   G4eeToTwoGammaModel::ComputeCrossSectionPerElectron(G4ParticleDefinition
     2249  0.00%  98.92%   0x00002b5c9c499660   G4eeToTwoGammaModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dy
     1069  0.00%  99.32%   0x00002b5ca2e55600   G4EffectiveCharge::GetCharge(G4Material const*, double, double, double)<
        1  0.00%  100.00%  0x00002b5c9c49eb10   G4eIonisation::MinPrimaryEnergy(G4ParticleDefinition const*, G4Material
        3  0.00%  99.99%   0x00002b5c9c49eb70   G4eIonisation::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCouple con
       25  0.00%  99.95%   0x00002b5ca2dced40   G4ElasticHadrNucleusHE::G4ElasticHadrNucleusHE()</data4/wilrome/gauss/so
```

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      34  0.00%  99.94%   0x00002b5ca2dc9cc0   G4ElasticHadrNucleusHE::GetHadronValues(G4ParticleDefinition const*, dou
 2365853  3.64%  7.92%    0x00002b5ca2dcb2e0   G4ElasticHadrNucleusHE::GetLightFq2(int, double)</data4/wilrome/gauss/so
      69  0.00%  99.91%   0x00002b5ca2dcb0d0   G4ElasticHadrNucleusHE::GetQ2_2(int, double*, double*, double)</data4/wi
     167  0.00%  99.83%   0x00002b5ca2dcd390   G4ElasticHadrNucleusHE::HadronNucleusQ2_2(G4ParticleDefinition const*, E
     318  0.00%  99.72%   0x00002b5ca2dcf780   G4ElasticHadrNucleusHE::SampleT(G4ParticleDefinition const*, double, int
  156894  0.24%  74.09%   0x00002b5c9bfb1220   G4Electron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
   13357  0.02%  96.62%   0x00002b5c9bfb1610   G4Electron::Electron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
   17852  0.03%  95.45%   0x00002b5c9bfb1620   G4Electron::ElectronDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
     845  0.00%  99.42%   0x00002b5c9bfb17f0   G4ElectronOccupancy::~G4ElectronOccupancy()</data4/wilrome/gauss/soft/lh
       3  0.00%  99.99%   0x00002b5c9bfb17a0   G4ElectronOccupancy::~G4ElectronOccupancy()</data4/wilrome/gauss/soft/lh
      55  0.00%  99.92%   0x00002b5c9bfb18a0   G4ElectronOccupancy::G4ElectronOccupancy(G4ElectronOccupancy const&)</da
     762  0.00%  99.46%   0x00002b5c9bfb16f0   G4ElectronOccupancy::G4ElectronOccupancy(int)</data4/wilrome/gauss/soft/
       6  0.00%  99.99%   0x00002b5c9bfb1900   G4ElectronOccupancy::operator=(G4ElectronOccupancy const&)</data4/wilrom
   48617  0.07%  90.09%   0x00002b5ca2dd2a00   G4ElectroNuclearCrossSection::GetCrossSection(G4DynamicParticle const*,
       2  0.00%  100.00%  0x00002b5ca2dd22e0   G4ElectroNuclearCrossSection::GetEquivalentPhotonEnergy()</data4/wilrome
      10  0.00%  99.98%   0x00002b5ca2dd0e90   G4ElectroNuclearCrossSection::GetFunctions(double, double*, double*, dou
  327101  0.50%  56.12%   0x00002b5ca2dd2bf0   G4ElectroNuclearCrossSection::GetIsoZACrossSection(G4DynamicParticle con
       3  0.00%  99.99%   0x00002b5ca2dd14d0   G4ElectroNuclearCrossSection::GetVirtualFactor(double, double)</data4/wi
   25571  0.04%  93.71%   0x00002b5ca2dd4050   G4ElectroNuclearCrossSection::IsApplicable(G4DynamicParticle const*, G4E
   12541  0.02%  96.86%   0x00002b5ca2dd4070   G4ElectroNuclearCrossSection::IsZAApplicable(G4DynamicParticle const*, d
      10  0.00%  99.98%   0x00002b5ca2800cd0   G4ElectroNuclearReaction::ApplyYourself(G4HadProjectile const&, G4Nucleu
     645  0.00%  99.51%   0x00002b5c9cccded0   G4Element::GetAtomicShell(int) const</data4/wilrome/gauss/soft/lhcb/GEAN
      11  0.00%  99.98%   0x00002b5c9ccce390   G4Element::GetElement(G4String, bool)</data4/wilrome/gauss/soft/lhcb/GEA
    1572  0.00%  99.12%   0x00002b5c9c4b13c0   G4EmCorrections::BarkasCorrection(G4ParticleDefinition const*, G4Materia
     375  0.00%  99.68%   0x00002b5c9c4af0b0   G4EmCorrections::BlochCorrection(G4ParticleDefinition const*, G4Material
      42  0.00%  99.93%   0x00002b5c9c4b2fb0   G4EmCorrections::EffectiveChargeCorrection(G4ParticleDefinition const*,
     199  0.00%  99.80%   0x00002b5c9c4af640   G4EmCorrections::FiniteSizeCorrection(G4ParticleDefinition const*, G4Mat
     299  0.00%  99.73%   0x00002b5c9c4b1a60   G4EmCorrections::HighOrderCorrections(G4ParticleDefinition const*, G4Mat
       1  0.00%  100.00%  0x00002b5c9c4ae720   G4EmCorrections::Initialise()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
     889  0.00%  99.40%   0x00002b5c9c4b01d0   G4EmCorrections::KShell(double, double)</data4/wilrome/gauss/soft/lhcb/G
    2393  0.00%  98.89%   0x00002b5c9c4b0420   G4EmCorrections::LShell(double, double)</data4/wilrome/gauss/soft/lhcb/G
      99  0.00%  99.88%   0x00002b5c9c4af3a0   G4EmCorrections::MottCorrection(G4ParticleDefinition const*, G4Material
     145  0.00%  99.85%   0x00002b5c9c4b1030   G4EmCorrections::NuclearDEDX(G4ParticleDefinition const*, G4Material con
     187  0.00%  99.81%   0x00002b5c9c4b0d40   G4EmCorrections::NuclearStoppingPower(double, double, double, double, do
    1934  0.00%  99.01%   0x00002b5c9c4b1e90   G4EmCorrections::ShellCorrection(G4ParticleDefinition const*, G4Material
     205  0.00%  99.80%   0x00002b5c9c4b88d0   G4EmModelManager::FillDEDXVector(G4PhysicsVector*, G4MaterialCutsCouple
     349  0.00%  99.70%   0x00002b5c9c4b7af0   G4EmModelManager::FillLambdaVector(G4PhysicsVector*, G4MaterialCutsCoupl
       7  0.00%  99.99%   0x00002b5c9c4b9860   G4EmModelManager::Initialise(G4ParticleDefinition const*, G4ParticleDefi
       1  0.00%  100.00%  0x00002b5c9c4bcdb0   G4EmProcessOptions::SetVerbose(int, G4String const&)</data4/wilrome/gaus
       2  0.00%  100.00%  0x00002b5ca2966300   G4EmStandardPhysics71::ConstructProcess()</data4/wilrome/gauss/soft/lhcb
   52805  0.08%  88.94%   0x00002b5c9ca4e500   G4EnclosingCylinder::MustBeOutside(CLHEP::Hep3Vector const&) const</data
   10174  0.02%  97.29%   0x00002b5c9ca4e640   G4EnclosingCylinder::ShouldMiss(CLHEP::Hep3Vector const&, CLHEP::Hep3Vec
   14413  0.02%  96.37%   0x00002b5c9c4c6460   G4EnergyLossTables::GetDEDX(G4ParticleDefinition const*, double, G4Mater
   34047  0.05%  92.15%   0x00002b5c9c4cbcc0   G4EnergyLossTables::GetRangeTable(G4ParticleDefinition const*)</data4/wi
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 1279  0.00%  99.25%   0x00002b5c9c4c52c0   G4EnergyLossTables::GetTables(G4ParticleDefinition const*)</data4/wilrom
 2152  0.00%  98.96%   0x00002b5ca2dde020   G4EnergyRangeManager::GetHadronicInteraction(double, G4Material const*,
12237  0.02%  96.90%   0x00002b5c9c4d03c0   G4eplusAnnihilation::AtRestDoIt(G4Track const&, G4Step const&)</data4/wi
 1491  0.00%  99.15%   0x00002b5c9c4d0a10   G4eplusAnnihilation::AtRestGetPhysicalInteractionLength(G4Track const&,
  230  0.00%  99.78%   0x00002b5c9c4d0a20   G4eplusAnnihilation::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCoup
   35  0.00%  99.94%   0x00002b5ca2df8170   G4Evaporation::BreakItUp(G4Fragment const&)</data4/wilrome/gauss/soft/lh
   11  0.00%  99.98%   0x00002b5ca2de63b0   G4EvaporationChannel::BreakUp(G4Fragment const&)</data4/wilrome/gauss/so
   19  0.00%  99.96%   0x00002b5ca2de5360   G4EvaporationChannel::CalcKineticEnergy()</data4/wilrome/gauss/soft/lhcb
   14  0.00%  99.97%   0x00002b5ca2de4990   G4EvaporationChannel::CalcMaximalKineticEnergy(double)</data4/wilrome/ga
    7  0.00%  99.99%   0x00002b5ca2cbf110   G4EvaporationChannel::GetEmissionProbability() const</data4/wilrome/gaus
   57  0.00%  99.92%   0x00002b5ca2de4a10   G4EvaporationChannel::Initialize(G4Fragment const&)</data4/wilrome/gauss
    1  0.00%  100.00%  0x00002b5ca2de70d0   G4EvaporationFactory::CreateChannel()</data4/wilrome/gauss/soft/lhcb/GEA
   22  0.00%  99.96%   0x00002b5ca2df73a0   G4EvaporationLevelDensityParameter::LevelDensityParameter(int, int, doub
   45  0.00%  99.93%   0x00002b5ca2df8b60   G4EvaporationProbability::CalcProbability(G4Fragment const&, double)</da
    7  0.00%  99.99%   0x00002b5ca2df9030   G4EvaporationProbability::EmissionProbability(G4Fragment const&, double)
  170  0.00%  99.82%   0x00002b5c9bd107c0   G4Event::~G4Event()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1
    1  0.00%  100.00%  0x00002b5c9bd10500   G4Event::G4Event()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/
50446  0.08%  89.34%   0x00002b5c9bd0f380   G4EventManager::DoProcessing(G4Event*)</data4/wilrome/gauss/soft/lhcb/GE
    2  0.00%  100.00%  0x00002b5c9bd0ff70   G4EventManager::ProcessOneEvent(G4Event*)</data4/wilrome/gauss/soft/lhcb
46022  0.07%  90.61%   0x00002b5c9bd0f2c0   G4EventManager::StackTracks(std::vector<G4Track*, std::allocator<G4Track
   50  0.00%  99.92%   0x00002b5ca2dfbd70   G4ExcitationHandler::BreakItUp(G4Fragment const&) const</data4/wilrome/g
    4  0.00%  99.99%   0x00002b5ca2dfca20   G4ExcitationHandler::DeleteFragment std::for_each<__gnu_cxx::__normal_it
    8  0.00%  99.98%   0x00002b5ca2dfb900   G4ExcitationHandler::Transform(std::vector<G4Fragment*, std::allocator<G
    1  0.00%  100.00%  0x00002b5c9bfb45c0   G4ExcitedBaryons::~G4ExcitedBaryons()</data4/wilrome/gauss/soft/lhcb/GEA
    1  0.00%  100.00%  0x00002b5c9bfb48b0   G4ExcitedDeltaConstructor::AddDeltaPiMode(G4DecayTable*, G4String const&
    1  0.00%  100.00%  0x00002b5c9bfb74d0   G4ExcitedLambdaConstructor::AddSigmaPiMode(G4DecayTable*, G4String const
    2  0.00%  100.00%  0x00002b5c9bfc6c40   G4ExcitedMesonConstructor::CreateDecayTable(G4String const&, int, int, i
    1  0.00%  100.00%  0x00002b5c9bfc7df0   G4ExcitedNucleonConstructor::GetEncoding(int, int)</data4/wilrome/gauss/
    1  0.00%  100.00%  0x00002b5c9bfcb000   G4ExcitedSigmaConstructor::AddSigmaPiMode(G4DecayTable*, G4String const&
    2  0.00%  100.00%  0x00002b5ca2dfdf50   G4ExcitedStringDecay::FragmentStrings(std::vector<G4ExcitedString*, std:
    3  0.00%  99.99%   0x00002b5ca2e14210   G4Fancy3DNucleus::BindingEnergy()</data4/wilrome/gauss/soft/lhcb/GEANT4/
  264  0.00%  99.76%   0x00002b5ca2e16440   G4Fancy3DNucleus::ChooseFermiMomenta()</data4/wilrome/gauss/soft/lhcb/GE
   48  0.00%  99.93%   0x00002b5ca2e14340   G4Fancy3DNucleus::ChooseNucleons()</data4/wilrome/gauss/soft/lhcb/GEANT4
  998  0.00%  99.35%   0x00002b5ca2e14dd0   G4Fancy3DNucleus::ChoosePositions()</data4/wilrome/gauss/soft/lhcb/GEANT
   23  0.00%  99.96%   0x00002b5ca2e14910   G4Fancy3DNucleus::CoulombBarrier()</data4/wilrome/gauss/soft/lhcb/GEANT4
    1  0.00%  100.00%  0x00002b5ca2e14bd0   G4Fancy3DNucleus::G4Fancy3DNucleus()</data4/wilrome/gauss/soft/lhcb/GEAN
    1  0.00%  100.00%  0x00002b5ca2e141e0   G4Fancy3DNucleus::GetNextNucleon()</data4/wilrome/gauss/soft/lhcb/GEANT4
    1  0.00%  100.00%  0x00002b5ca2e14240   G4Fancy3DNucleus::GetNuclearRadius(double)</data4/wilrome/gauss/soft/lhc
   36  0.00%  99.94%   0x00002b5ca2e16c80   G4Fancy3DNucleus::Init(double, double)</data4/wilrome/gauss/soft/lhcb/GE
  129  0.00%  99.86%   0x00002b5ca2e15350   G4Fancy3DNucleus::ReduceSum(CLHEP::Hep3Vector*, double*)</data4/wilrome/
    3  0.00%  99.99%   0x00002b5ca2e141c0   G4Fancy3DNucleus::StartLoop()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
  998  0.00%  99.35%   0x00002b5c9ca58830   G4FieldManager::ConfigureForTrack(G4Track const*)</data4/wilrome/gauss/s
130190  0.20%  76.68%   0x00002b5c9ca593c0   G4FieldTrack::G4FieldTrack(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector c
    2  0.00%  100.00%  0x00002b5ca2e26e00   G4FissionBarrier::FissionBarrier(int, int, double)</data4/wilrome/gauss/
    1  0.00%  100.00%  0x00002b5ca2e29a10   G4FissionLevelDensityParameter::LevelDensityParameter(int, int, double)
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    1  0.00%  100.00%  0x00002b5ca2e2a820   G4FissionProbability::EmissionProbability(G4Fragment const&, double)</da
    7  0.00%   99.99%  0x00002b5ca2e2d700   G4Fragment::~G4Fragment()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
   17  0.00%   99.97%  0x00002b5ca2e2d7e0   G4Fragment::CalculateExcitationEnergy(CLHEP::HepLorentzVector) const</da
    6  0.00%   99.99%  0x00002b5ca2e2d510   G4Fragment::G4Fragment()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
    6  0.00%   99.99%  0x00002b5ca2e2db30   G4Fragment::G4Fragment(CLHEP::HepLorentzVector, G4ParticleDefinition*)</
   13  0.00%   99.97%  0x00002b5ca2e2d650   G4Fragment::G4Fragment(G4Fragment const&)</data4/wilrome/gauss/soft/lhcb
   10  0.00%   99.98%  0x00002b5ca2e2dfe0   G4Fragment::G4Fragment(int, int, CLHEP::HepLorentzVector)</data4/wilrome
   11  0.00%   99.98%  0x00002b5ca2e2d390   G4Fragment::IsotropicRandom3Vector(double) const</data4/wilrome/gauss/so
   17  0.00%   99.97%  0x00002b5ca2e2d710   G4Fragment::operator=(G4Fragment const&)</data4/wilrome/gauss/soft/lhcb/
    1  0.00%  100.00%  0x00002b5ca2e2bcb0   G4FragmentingString::DecayPt()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
    1  0.00%  100.00%  0x00002b5ca2e2c3a0   G4FragmentingString::G4FragmentingString(G4FragmentingString const&, G4P
    1  0.00%  100.00%  0x00002b5ca2e2cb00   G4FragmentingString::StableIsQuark()</data4/wilrome/gauss/soft/lhcb/GEAN
 3696  0.01%   98.57%  0x00002b5c9bfce3e0   G4Gamma::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
 1730  0.00%   99.08%  0x00002b5c9bfce7d0   G4Gamma::Gamma()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Ge
   57  0.00%   99.92%  0x00002b5c9bfce7e0   G4Gamma::GammaDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
 2351  0.00%   98.90%  0x00002b5c9c4e2dd0   G4GammaConversion::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCouple
   75  0.00%   99.90%  0x00002b5ca2801fa0   G4GammaNuclearReaction::ApplyYourself(G4HadProjectile const&, G4Nucleus&
    2  0.00%  100.00%  0x00002b5c9ca5cae0   G4GeometryManager::BuildOptimisations(bool, bool)</data4/wilrome/gauss/s
    2  0.00%  100.00%  0x00002b5c9ca5c170   G4GeometryManager::DeleteOptimisations()</data4/wilrome/gauss/soft/lhcb/
  688  0.00%   99.50%  0x00002b5ca2e42d90   G4HadFinalState::AddSecondary(G4DynamicParticle*)</data4/wilrome/gauss/s
   94  0.00%   99.89%  0x00002b5ca2e42d40   G4HadFinalState::AddSecondary(G4HadSecondary*)</data4/wilrome/gauss/soft
 1669  0.00%   99.11%  0x00002b5ca2e42c50   G4HadFinalState::Clear()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
  201  0.00%   99.80%  0x00002b5ca2e421e0   G4HadFinalState::GetEnergyChange()</data4/wilrome/gauss/soft/lhcb/GEANT4
  169  0.00%   99.82%  0x00002b5ca2e42330   G4HadFinalState::GetLocalEnergyDeposit()</data4/wilrome/gauss/soft/lhcb/
  185  0.00%   99.81%  0x00002b5ca2e42210   G4HadFinalState::GetMomentumChange()</data4/wilrome/gauss/soft/lhcb/GEAN
  703  0.00%   99.49%  0x00002b5ca2e428a0   G4HadFinalState::GetNumberOfSecondaries()</data4/wilrome/gauss/soft/lhcb
 1732  0.00%   99.08%  0x00002b5ca2e428b0   G4HadFinalState::GetSecondary(unsigned long)</data4/wilrome/gauss/soft/l
  242  0.00%   99.77%  0x00002b5ca2e42240   G4HadFinalState::GetStatusChange()</data4/wilrome/gauss/soft/lhcb/GEANT4
  341  0.00%   99.70%  0x00002b5ca2e42260   G4HadFinalState::GetTrafoToLab()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
  131  0.00%   99.85%  0x00002b5ca2e42310   G4HadFinalState::GetWeightChange()</data4/wilrome/gauss/soft/lhcb/GEANT4
  465  0.00%   99.63%  0x00002b5ca2e42650   G4HadFinalState::SetEnergyChange(double)</data4/wilrome/gauss/soft/lhcb/
  241  0.00%   99.77%  0x00002b5ca2e42320   G4HadFinalState::SetLocalEnergyDeposit(double)</data4/wilrome/gauss/soft
  278  0.00%   99.74%  0x00002b5ca2e421f0   G4HadFinalState::SetMomentumChange(CLHEP::Hep3Vector)</data4/wilrome/gau
  175  0.00%   99.82%  0x00002b5ca2e42340   G4HadFinalState::SetMomentumChange(double, double, double)</data4/wilrom
  165  0.00%   99.83%  0x00002b5ca2e42230   G4HadFinalState::SetStatusChange(G4HadFinalStateStatus)</data4/wilrome/g
  406  0.00%   99.66%  0x00002b5ca2e42270   G4HadFinalState::SetTrafoToLab(CLHEP::HepLorentzRotation&)</data4/wilrom
    1  0.00%  100.00%  0x00002b5ca2e44bc0   G4HadProjectile::G4HadProjectile(G4DynamicParticle const&)</data4/wilrom
 4916  0.01%   98.27%  0x00002b5ca2e43ef0   G4HadProjectile::G4HadProjectile(G4Track const&)</data4/wilrome/gauss/so
  665  0.00%   99.51%  0x00002b5ca2e45220   G4HadProjectile::GetDefinition() const</data4/wilrome/gauss/soft/lhcb/GE
 1335  0.00%   99.22%  0x00002b5ca2e45230   G4HadProjectile::GetKineticEnergy() const</data4/wilrome/gauss/soft/lhcb
  121  0.00%   99.86%  0x00002b5ca2e451a0   G4HadProjectile::GetTotalEnergy() const</data4/wilrome/gauss/soft/lhcb/G
  625  0.00%   99.53%  0x00002b5ca2e451b0   G4HadProjectile::GetTotalMomentum() const</data4/wilrome/gauss/soft/lhcb
 1931  0.00%   99.02%  0x00002b5ca2e46c20   G4HadronCaptureDataSet::GetCrossSection(G4DynamicParticle const*, G4Elem
 2135  0.00%   98.97%  0x00002b5ca2e46be0   G4HadronCaptureDataSet::IsApplicable(G4DynamicParticle const*, G4Element
```

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     1  0.00%  100.00%  0x00002b5ca2e46c00   G4HadronCaptureDataSet::IsZAApplicable(G4DynamicParticle const*, double,
  1817  0.00%   99.05%  0x00002b5ca2e469a0   G4HadronCaptureProcess::IsApplicable(G4ParticleDefinition const&)</data4
248046  0.38%   61.13%  0x00002b5ca2e46fb0   G4HadronCrossSections::CalcScatteringCrossSections(G4DynamicParticle con
 16432  0.03%   95.85%  0x00002b5ca2e47f50   G4HadronCrossSections::GetCaptureCrossSection(G4DynamicParticle const*,
 10625  0.02%   97.17%  0x00002b5ca2e48030   G4HadronCrossSections::GetElasticCrossSection(G4DynamicParticle const*,
  5413  0.01%   98.15%  0x00002b5ca2e47d70   G4HadronCrossSections::GetFissionCrossSection(G4DynamicParticle const*,
 19237  0.03%   95.17%  0x00002b5ca2e48150   G4HadronCrossSections::GetInelasticCrossSection(G4DynamicParticle const*
   280  0.00%   99.74%  0x00002b5ca2e47d50   G4HadronCrossSections::GetInelasticCrossSection(G4DynamicParticle const*
 27289  0.04%   93.31%  0x00002b5ca2e46c80   G4HadronCrossSections::GetParticleCode(G4DynamicParticle const*)</data4/
  4591  0.01%   98.33%  0x00002b5ca2e49470   G4HadronElastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</data
  1014  0.00%   99.34%  0x00002b5ca2e48620   G4HadronElastic::Fctcos(double, double, double, double, double, double)<
  2727  0.00%   98.80%  0x00002b5ca2e486e0   G4HadronElastic::Rtmi(double*, double, double, double, int, double, doub
  1444  0.00%   99.18%  0x00002b5ca2e48ee0   G4HadronElastic::SampleT(double, double, double, double)</data4/wilrome/
  1179  0.00%   99.28%  0x00002b5ca2d514c0   G4HadronElasticDataSet::GetCrossSection(G4DynamicParticle const*, G4Elem
  9043  0.01%   97.57%  0x00002b5ca2d51480   G4HadronElasticDataSet::IsApplicable(G4DynamicParticle const*, G4Element
     2  0.00%  100.00%  0x00002b5ca2971b20   G4HadronElasticPhysics::ConstructProcess()</data4/wilrome/gauss/soft/lhc
  3620  0.01%   98.59%  0x00002b5ca2e4d150   G4HadronFissionDataSet::GetCrossSection(G4DynamicParticle const*, G4Elem
  2651  0.00%   98.82%  0x00002b5ca2e4d110   G4HadronFissionDataSet::IsApplicable(G4DynamicParticle const*, G4Element
  1672  0.00%   99.10%  0x00002b5ca2e4d1b0   G4HadronFissionProcess::IsApplicable(G4ParticleDefinition const&)</data4
   823  0.00%   99.43%  0x00002b5ca2e4d200   G4HadronicInteraction::GetMaxEnergy(G4Material const*, G4Element const*)
  1861  0.00%   99.04%  0x00002b5ca2e4d410   G4HadronicInteraction::GetMinEnergy(G4Material const*, G4Element const*)
   518  0.00%   99.60%  0x00002b5ca2e4d620   G4HadronicInteraction::IsBlocked(G4Element const*) const</data4/wilrome/
   744  0.00%   99.47%  0x00002b5ca2e4d1c0   G4HadronicInteraction::IsBlocked(G4Material const*) const</data4/wilrome
   550  0.00%   99.58%  0x00002b5ca2e4f340   G4HadronicInteractionWrapper::ApplyInteraction(G4HadProjectile&, G4Nucle
   500  0.00%   99.61%  0x00002b5ca2e4f840   G4HadronicProcess::ChooseAandZ(G4DynamicParticle const*, G4Material cons
  2919  0.00%   98.75%  0x00002b5ca2e529e0   G4HadronicProcess::DoIsotopeCounting(G4HadFinalState*, G4Track const&, G
  2692  0.00%   98.81%  0x00002b5ca2e52310   G4HadronicProcess::ExtractResidualNucleus(G4Track const&, G4Nucleus cons
  6409  0.01%   98.00%  0x00002b5ca2e4f8d0   G4HadronicProcess::FillTotalResult(G4HadFinalState*, G4Track const&)</da
     1  0.00%  100.00%  0x00002b5ca2e54c30   G4HadronicProcess::G4HadronicProcess(G4String const&, G4ProcessType)</da
  4997  0.01%   98.24%  0x00002b5ca2e53120   G4HadronicProcess::GeneralPostStepDoIt(G4Track const&, G4Step const&)</d
191167  0.29%   68.81%  0x00002b5ca2e50be0   G4HadronicProcess::GetMeanFreePath(G4Track const&, double, G4ForceCondit
 25319  0.04%   93.75%  0x00002b5ca295eca0   G4HadronicProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrome/g
   266  0.00%   99.76%  0x00002b5ca2e56150   G4HadronicWhiteBoard::SetModelName(G4String const&)</data4/wilrome/gauss
   224  0.00%   99.79%  0x00002b5ca2e56180   G4HadronicWhiteBoard::SetProcessName(G4String const&)</data4/wilrome/gau
   551  0.00%   99.58%  0x00002b5ca2e560e0   G4HadronicWhiteBoard::SetProjectile(G4HadProjectile const&)</data4/wilro
   651  0.00%   99.51%  0x00002b5ca2e55ea0   G4HadronicWhiteBoard::SetTargetNucleus(G4Nucleus const&)</data4/wilrome/
  2142  0.00%   98.96%  0x00002b5ca2e572e0   G4HadronInelasticDataSet::GetCrossSection(G4DynamicParticle const*, G4El
   120  0.00%   99.86%  0x00002b5ca2e572f0   G4HadronInelasticDataSet::GetIsoZACrossSection(G4DynamicParticle const*,
  6345  0.01%   98.01%  0x00002b5ca2e572a0   G4HadronInelasticDataSet::IsApplicable(G4DynamicParticle const*, G4Eleme
   258  0.00%   99.76%  0x00002b5ca2e572c0   G4HadronInelasticDataSet::IsZAApplicable(G4DynamicParticle const*, doubl
 71862  0.11%   87.08%  0x00002b5ca2e56be0   G4HadronInelasticProcess::IsApplicable(G4ParticleDefinition const&)</dat
   611  0.00%   99.53%  0x00002b5ca2e56ab0   G4HadronInelasticProcess::PostStepDoIt(G4Track const&, G4Step const&)</d
   516  0.00%   99.60%  0x00002b5ca2e5b040   G4HadSecondary::G4HadSecondary(G4DynamicParticle*, double)</data4/wilrom
   550  0.00%   99.58%  0x00002b5ca2e5b760   G4HadSignalHandler::~G4HadSignalHandler()</data4/wilrome/gauss/soft/lhcb
   835  0.00%   99.42%  0x00002b5ca2e5b7e0   G4HadSignalHandler::G4HadSignalHandler(void (*)(int))</data4/wilrome/gau
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   8  0.00%  99.98%   0x00002b5c9be654d0   G4HCofThisEvent::~G4HCofThisEvent()</data4/wilrome/gauss/soft/lhcb/GEANT
   2  0.00%  100.00%  0x00002b5c9be65420   G4HCofThisEvent::AddHitsCollection(int, G4VHitsCollection*)</data4/wilro
   1  0.00%  100.00%  0x00002b5c9be655d0   G4HCofThisEvent::G4HCofThisEvent(int)</data4/wilrome/gauss/soft/lhcb/GEA
  96  0.00%  99.88%   0x00002b5c9be65e00   G4HCtable::GetCollectionID(G4String) const</data4/wilrome/gauss/soft/lhc
   4  0.00%  99.99%   0x00002b5c9bfcf540   G4He3::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1
   4  0.00%  99.99%   0x00002b5c9bfcf950   G4He3::He3Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
   1  0.00%  100.00%  0x00002b5ca2e5bf50   G4He3CoulombBarrier::BarrierPenetrationFactor(double) const</data4/wilro
   2  0.00%  100.00%  0x00002b5ca2e5ca20   G4He3EvaporationProbability::CCoeficient(double) const</data4/wilrome/ga
  53  0.00%  99.92%   0x00002b5ca2e6aee0   G4HEAntiNeutronInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleu
  17  0.00%  99.97%   0x00002b5ca2e68770   G4HEAntiNeutronInelastic::FirstIntInCasAntiNeutron(bool&, double, G4HEVe
  58  0.00%  99.92%   0x00002b5ca2e711d0   G4HEAntiProtonInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus
  15  0.00%  99.97%   0x00002b5ca2e6eda0   G4HEAntiProtonInelastic::FirstIntInCasAntiProton(bool&, double, G4HEVect
   3  0.00%  99.99%   0x00002b5ca2e802c0   G4HEInelastic::Amax(double, double)</data4/wilrome/gauss/soft/lhcb/GEANT
  23  0.00%  99.96%   0x00002b5ca2e802b0   G4HEInelastic::Amin(double, double)</data4/wilrome/gauss/soft/lhcb/GEANT
  12  0.00%  99.98%   0x00002b5ca2e80790   G4HEInelastic::Factorial(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
  52  0.00%  99.92%   0x00002b5ca2e800d0   G4HEInelastic::FillParticleChange(G4HEVector*, int)</data4/wilrome/gauss
   9  0.00%  99.98%   0x00002b5ca2e807c0   G4HEInelastic::GammaRand(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
1236  0.00%  99.26%   0x00002b5ca2e9afb0   G4HEInelastic::HighEnergyCascading(bool&, G4HEVector*, int&, double&, do
  49  0.00%  99.93%   0x00002b5ca2e95370   G4HEInelastic::HighEnergyClusterProduction(bool&, G4HEVector*, int&, dou
   1  0.00%  100.00%  0x00002b5ca2e802e0   G4HEInelastic::Imax(int, int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
   6  0.00%  99.99%   0x00002b5ca2e802d0   G4HEInelastic::Imin(int, int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
 171  0.00%  99.82%   0x00002b5ca2e8c5f0   G4HEInelastic::MediumEnergyCascading(bool&, G4HEVector*, int&, double&,
  13  0.00%  99.97%   0x00002b5ca2e87140   G4HEInelastic::MediumEnergyClusterProduction(bool&, G4HEVector*, int&, d
 150  0.00%  99.84%   0x00002b5ca2e81400   G4HEInelastic::NBodyPhaseSpace(double, bool, G4HEVector*, int&)</data4/w
  42  0.00%  99.93%   0x00002b5ca2e805f0   G4HEInelastic::normal()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
  34  0.00%  99.94%   0x00002b5ca2e82d90   G4HEInelastic::NuclearExcitation(double, double, double, double&, double
  27  0.00%  99.95%   0x00002b5ca2e802f0   G4HEInelastic::NuclearInelasticity(double, double, double)</data4/wilrom
  53  0.00%  99.92%   0x00002b5ca2e80630   G4HEInelastic::pmltpc(int, int, int, int, double, double)</data4/wilrome
  17  0.00%  99.97%   0x00002b5ca2e810e0   G4HEInelastic::Poisson(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
  38  0.00%  99.94%   0x00002b5ca2e82190   G4HEInelastic::StrangeParticlePairProduction(double, double, G4HEVector*
 226  0.00%  99.78%   0x00002b5ca2e93190   G4HEInelastic::TuningOfHighEnergyCascading(G4HEVector*, int&, G4HEVector
  48  0.00%  99.93%   0x00002b5ca2ea3a20   G4HEKaonMinusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&
  12  0.00%  99.98%   0x00002b5ca2ea2640   G4HEKaonMinusInelastic::FirstIntInCasKaonMinus(bool&, double, G4HEVector
  81  0.00%  99.90%   0x00002b5ca2ea6960   G4HEKaonPlusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)
  24  0.00%  99.96%   0x00002b5ca2ea4b50   G4HEKaonPlusInelastic::FirstIntInCasKaonPlus(bool&, double, G4HEVector*,
  61  0.00%  99.91%   0x00002b5ca2ea99e0   G4HEKaonZeroInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)
  16  0.00%  99.97%   0x00002b5ca2ea7a90   G4HEKaonZeroInelastic::FirstIntInCasKaonZero(bool&, double, G4HEVector*,
   6  0.00%  99.99%   0x00002b5ca2eaca50   G4HELambdaInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</
   3  0.00%  99.99%   0x00002b5ca2eab610   G4HELambdaInelastic::FirstIntInCasLambda(bool&, double, G4HEVector*, int
  33  0.00%  99.94%   0x00002b5ca2eafca0   G4HENeutronInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)<
  10  0.00%  99.98%   0x00002b5ca2eadb80   G4HENeutronInelastic::FirstIntInCasNeutron(bool&, double, G4HEVector*, i
 243  0.00%  99.77%   0x00002b5ca2eb4e60   G4HEPionMinusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&
  84  0.00%  99.89%   0x00002b5ca2eb30b0   G4HEPionMinusInelastic::FirstIntInCasPionMinus(bool&, double, G4HEVector
 208  0.00%  99.80%   0x00002b5ca2eb7da0   G4HEPionPlusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)
```

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  103  0.00%  99.88%   0x00002b5ca2eb5f90   G4HEPionPlusInelastic::FirstIntInCasPionPlus(bool&, double, G4HEVector*,
 3616  0.01%  98.60%   0x00002aaac0045de0   G4HepMCToMCTruth::convert(HepMC::GenParticle*, LHCb::MCVertex*)</data4/w
   69  0.00%  99.91%   0x00002aaac00465b0   G4HepMCToMCTruth::execute()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
   20  0.00%  99.96%   0x00002aaac0044080   G4HepMCToMCTruth::vertexType(int)</data4/wilrome/gauss/soft/lhcb/GAUSS/G
   54  0.00%  99.92%   0x00002b5ca2ebbfe0   G4HEProtonInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</
   27  0.00%  99.95%   0x00002b5ca2eba050   G4HEProtonInelastic::FirstIntInCasProton(bool&, double, G4HEVector*, int
    2  0.00%  100.00%  0x00002b5ca2ebe390   G4HESigmaMinusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus
  351  0.00%  99.70%   0x00002b5ca297ca00   G4HEVector::~G4HEVector()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
  101  0.00%  99.88%   0x00002b5ca2ec9370   G4HEVector::Add(G4HEVector const&, G4HEVector const&)</data4/wilrome/gau
    4  0.00%  99.99%   0x00002b5ca2ec6ee0   G4HEVector::Add3(G4HEVector const&, G4HEVector const&)</data4/wilrome/ga
    2  0.00%  100.00%  0x00002b5ca2ec62f0   G4HEVector::Amax(double, double)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
   17  0.00%  99.97%   0x00002b5ca2ec6d70   G4HEVector::Ang(G4HEVector const&)</data4/wilrome/gauss/soft/lhcb/GEANT4
   32  0.00%  99.95%   0x00002b5ca2ec6c90   G4HEVector::CosAng(G4HEVector const&)</data4/wilrome/gauss/soft/lhcb/GEA
    9  0.00%  99.98%   0x00002b5ca2ec6f40   G4HEVector::Cross(G4HEVector const&, G4HEVector const&)</data4/wilrome/g
   56  0.00%  99.92%   0x00002b5ca2ec7000   G4HEVector::Defs1(G4HEVector const&, G4HEVector const&)</data4/wilrome/g
   18  0.00%  99.97%   0x00002b5ca2ec6c60   G4HEVector::Dot(G4HEVector const&, G4HEVector const&)</data4/wilrome/gau
   21  0.00%  99.96%   0x00002b5ca2ec9b20   G4HEVector::G4HEVector(G4HadProjectile const*)</data4/wilrome/gauss/soft
   23  0.00%  99.96%   0x00002b5ca2e63c80   G4HEVector::G4HEVector(G4HEVector const&)</data4/wilrome/gauss/soft/lhcb
   10  0.00%  99.98%   0x00002b5ca2ec6c40   G4HEVector::getBaryonNumber()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
   21  0.00%  99.96%   0x00002b5ca2ec6c30   G4HEVector::getCode()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
   10  0.00%  99.98%   0x00002b5ca2ec6980   G4HEVector::getEnergy()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
    6  0.00%  99.99%   0x00002b5ca2ec6990   G4HEVector::getKineticEnergy()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
   29  0.00%  99.95%   0x00002b5ca2ec6b90   G4HEVector::getMass()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
    9  0.00%  99.98%   0x00002b5ca2ec6420   G4HEVector::getMomentum() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
   20  0.00%  99.96%   0x00002b5ca2ec8580   G4HEVector::getName()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
   16  0.00%  99.97%   0x00002b5ca2ec9590   G4HEVector::getParticleName(int, int)</data4/wilrome/gauss/soft/lhcb/GEA
    8  0.00%  99.98%   0x00002b5ca2ec6bf0   G4HEVector::getSide()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
    3  0.00%  99.99%   0x00002b5ca2ec6c50   G4HEVector::getStrangenessNumber()</data4/wilrome/gauss/soft/lhcb/GEANT4
    8  0.00%  99.98%   0x00002b5ca2ec6450   G4HEVector::getTotalMomentum()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
   16  0.00%  99.97%   0x00002b5ca2ec8550   G4HEVector::getType()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
   94  0.00%  99.89%   0x00002b5ca2ec6fd0   G4HEVector::Length()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p
  150  0.00%  99.84%   0x00002b5ca2ec7840   G4HEVector::Lor(G4HEVector const&, G4HEVector const&)</data4/wilrome/gau
   29  0.00%  99.95%   0x00002b5ca2e63ac0   G4HEVector::operator=(G4HEVector const&)</data4/wilrome/gauss/soft/lhcb/
   32  0.00%  99.95%   0x00002b5ca2ec85b0   G4HEVector::setDefinition(G4String)</data4/wilrome/gauss/soft/lhcb/GEANT
    3  0.00%  99.99%   0x00002b5ca2ec65d0   G4HEVector::setEnergy(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
   10  0.00%  99.98%   0x00002b5ca2ec65e0   G4HEVector::setEnergyAndUpdate(double)</data4/wilrome/gauss/soft/lhcb/GE
    6  0.00%  99.99%   0x00002b5ca2ec6c00   G4HEVector::setFlag(bool)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
    4  0.00%  99.99%   0x00002b5ca2ec67a0   G4HEVector::setKineticEnergy(double)</data4/wilrome/gauss/soft/lhcb/GEAN
  117  0.00%  99.87%   0x00002b5ca2ec67b0   G4HEVector::setKineticEnergyAndUpdate(double)</data4/wilrome/gauss/soft/
    9  0.00%  99.98%   0x00002b5ca2ec69a0   G4HEVector::setMass(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
    2  0.00%  100.00%  0x00002b5ca2ec6300   G4HEVector::setMomentum(CLHEP::Hep3Vector)</data4/wilrome/gauss/soft/lhc
    5  0.00%  99.99%   0x00002b5ca2ec6560   G4HEVector::setMomentum(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
    2  0.00%  100.00%  0x00002b5ca2ec64f0   G4HEVector::setMomentum(double, double)</data4/wilrome/gauss/soft/lhcb/G
    3  0.00%  99.99%   0x00002b5ca2ec6480   G4HEVector::setMomentum(double, double, double)</data4/wilrome/gauss/sof
    3  0.00%  99.99%   0x00002b5ca2ec6340   G4HEVector::setMomentumAndUpdate(CLHEP::Hep3Vector)</data4/wilrome/gauss
```

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    23  0.00%  99.96%   0x00002b5ca2ec6570   G4HEVector::setMomentumAndUpdate(double)</data4/wilrome/gauss/soft/lhcb/
    20  0.00%  99.96%   0x00002b5ca2ec6490   G4HEVector::setMomentumAndUpdate(double, double, double)</data4/wilrome/
    15  0.00%  99.97%   0x00002b5ca2ec6be0   G4HEVector::setSide(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
    13  0.00%  99.97%   0x00002b5ca2ec6bc0   G4HEVector::setTOF(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
    11  0.00%  99.98%   0x00002b5ca2ec94e0   G4HEVector::setZero()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
     3  0.00%  99.99%   0x00002b5ca2ec6fa0   G4HEVector::Smul(G4HEVector const&, double)</data4/wilrome/gauss/soft/lh
    36  0.00%  99.94%   0x00002b5ca2ec7760   G4HEVector::SmulAndUpdate(G4HEVector const&, double)</data4/wilrome/gaus
     4  0.00%  99.99%   0x00002b5ca2ec9200   G4HEVector::Sub(G4HEVector const&, G4HEVector const&)</data4/wilrome/gau
     9  0.00%  99.98%   0x00002b5ca2ec6f10   G4HEVector::Sub3(G4HEVector const&, G4HEVector const&)</data4/wilrome/ga
     2  0.00%  100.00%  0x00002b5ca2ecb560   G4HEXiMinusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)<
     1  0.00%  100.00%  0x00002b5ca2eca2c0   G4HEXiMinusInelastic::FirstIntInCasXiMinus(bool&, double, G4HEVector*, i
  3688  0.01%  98.58%   0x00002b5c9c4eeeb0   G4hIonisation::CorrectionsAlongStep(G4MaterialCutsCouple const*, G4Dynam
     1  0.00%  100.00%  0x00002b5c9c4ee770   G4hIonisation::InitialiseEnergyLossProcess(G4ParticleDefinition const*,
     4  0.00%  99.99%   0x00002b5c9c4eef50   G4hIonisation::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCouple con
     5  0.00%  99.99%   0x00002b5c9be6e670   G4HitsCollection::~G4HitsCollection()</data4/wilrome/gauss/soft/lhcb/GEA
     7  0.00%  99.99%   0x00002b5c9be6e930   G4HitsCollection::G4HitsCollection(G4String, G4String)</data4/wilrome/ga
  1109  0.00%  99.30%   0x00002b5ca2ecf6c0   G4InelasticInteraction::CalculateMomenta(G4FastVector<G4ReactionProduct,
  1142  0.00%  99.29%   0x00002b5ca2ecee40   G4InelasticInteraction::GetNormalizationConstant(double, double&, double
   162  0.00%  99.83%   0x00002b5ca2eceb70   G4InelasticInteraction::MarkLeadingStrangeParticle(G4ReactionProduct con
    75  0.00%  99.90%   0x00002b5ca2ecea00   G4InelasticInteraction::Pmltpc(int, int, int, int, double, double)</data
   266  0.00%  99.75%   0x00002b5ca2ecefc0   G4InelasticInteraction::Rotate(G4FastVector<G4ReactionProduct, 256>&, in
  1539  0.00%  99.13%   0x00002b5ca2ecf100   G4InelasticInteraction::SetUpChange(G4FastVector<G4ReactionProduct, 256>
   237  0.00%  99.77%   0x00002b5ca2ecec50   G4InelasticInteraction::SetUpPions(int, int, int, G4FastVector<G4Reactio
     1  0.00%  100.00%  0x00002b5c9ca77940   G4IntersectingCone::G4IntersectingCone(double const*, double const*)</da
  9181  0.01%  97.54%   0x00002b5c9ca77aa0   G4IntersectingCone::HitOn(double, double)</data4/wilrome/gauss/soft/lhcb
  8668  0.01%  97.64%   0x00002b5c9ca78250   G4IntersectingCone::LineHitsCone(CLHEP::Hep3Vector const&, CLHEP::Hep3Ve
 72239  0.11%  86.75%   0x00002b5c9ca77eb0   G4IntersectingCone::LineHitsCone1(CLHEP::Hep3Vector const&, CLHEP::Hep3V
 96549  0.15%  82.71%   0x00002b5c9ca77ae0   G4IntersectingCone::LineHitsCone2(CLHEP::Hep3Vector const&, CLHEP::Hep3V
  2572  0.00%  98.84%   0x00002b5c9c51fc70   G4ionEffectiveCharge::EffectiveCharge(G4ParticleDefinition const*, G4Mat
     1  0.00%  100.00%  0x00002b5c9c520490   G4IonFluctuations::~G4IonFluctuations()</data4/wilrome/gauss/soft/lhcb/G
    22  0.00%  99.96%   0x00002b5c9c520820   G4IonFluctuations::CoeffitientA(double&)</data4/wilrome/gauss/soft/lhcb/
    18  0.00%  99.97%   0x00002b5c9c5208e0   G4IonFluctuations::CoeffitientB(G4Material const*, double&)</data4/wilro
   118  0.00%  99.87%   0x00002b5c9c520b50   G4IonFluctuations::Dispersion(G4Material const*, G4DynamicParticle const
   101  0.00%  99.88%   0x00002b5c9c520a90   G4IonFluctuations::RelativisticFactor(G4Material const*, double&)</data4
   133  0.00%  99.85%   0x00002b5c9c5204e0   G4IonFluctuations::SampleFluctuations(G4Material const*, G4DynamicPartic
   383  0.00%  99.68%   0x00002b5c9c522060   G4ionIonisation::CorrectionsAlongStep(G4MaterialCutsCouple const*, G4Dyn
  2195  0.00%  98.95%   0x00002b5c9c521210   G4ionIonisation::GetMeanFreePath(G4Track const&, double, G4ForceConditio
     1  0.00%  100.00%  0x00002b5c9ccd0570   G4IonisParamElm::G4IonisParamElm(double)</data4/wilrome/gauss/soft/lhcb/
     4  0.00%  99.99%   0x00002b5c9ccd19d0   G4IonisParamMat::ComputeMeanParameters()</data4/wilrome/gauss/soft/lhcb/
     1  0.00%  100.00%  0x00002b5c9bfcfb70   G4Ions::G4Ions(G4String const&, double, double, double, int, int, int, i
     2  0.00%  100.00%  0x00002b5c9bfd0e60   G4IonTable::AddProcessManager(G4String const&)</data4/wilrome/gauss/soft
     5  0.00%  99.99%   0x00002b5c9bfd1c40   G4IonTable::CreateIon(int, int, double, int)</data4/wilrome/gauss/soft/l
  2579  0.00%  98.83%   0x00002b5c9bfcfe30   G4IonTable::FindIon(int, int, double, int)</data4/wilrome/gauss/soft/lhc
   676  0.00%  99.50%   0x00002b5c9bfd2210   G4IonTable::GetIon(int, int, double, int)</data4/wilrome/gauss/soft/lhcb
```

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   390  0.00%  99.67%   0x00002b5c9bfd23e0   G4IonTable::GetIon(int, int, int)</data4/wilrome/gauss/soft/lhcb/GEANT4/
    53  0.00%  99.92%   0x00002b5c9bfd0b20   G4IonTable::GetIonMass(int, int) const</data4/wilrome/gauss/soft/lhcb/GE
     3  0.00%  99.99%   0x00002b5c9bfd1520   G4IonTable::GetIonName(int, int, double) const</data4/wilrome/gauss/soft
   169  0.00%  99.82%   0x00002b5c9bfd05d0   G4IonTable::GetLightIon(int, int) const</data4/wilrome/gauss/soft/lhcb/G
     2  0.00%  100.00%  0x00002b5c9bfcfd20   G4IonTable::GetNucleusEncoding(int, int, double, int)</data4/wilrome/gau
   120  0.00%  99.86%   0x00002b5c9bfd0a80   G4IonTable::GetNucleusMass(int, int) const</data4/wilrome/gauss/soft/lhc
     2  0.00%  100.00%  0x00002b5c9bfd0e10   G4IonTable::Insert(G4ParticleDefinition*)</data4/wilrome/gauss/soft/lhcb
133132  0.21%  76.28%   0x00002b5c9bfd0160   G4IonTable::IsIon(G4ParticleDefinition*)</data4/wilrome/gauss/soft/lhcb/
   531  0.00%  99.59%   0x00002b5ca2edabf0   G4IsoResult::~G4IsoResult()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
    73  0.00%  99.90%   0x00002b5c9bfd3ee0   G4KaonMinus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
    45  0.00%  99.93%   0x00002b5c9bfd46e0   G4KaonMinus::KaonMinus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
     2  0.00%  100.00%  0x00002b5ca2edee40   G4KaonMinusAbsorption::AtRestDoIt(G4Track const&, G4Step const&)</data4/
     1  0.00%  100.00%  0x00002b5ca2edec20   G4KaonMinusAbsorption::AtRestGetPhysicalInteractionLength(G4Track const&
    11  0.00%  99.98%   0x00002b5ca2ede8f0   G4KaonMinusAbsorption::GenerateSecondaries()</data4/wilrome/gauss/soft/l
     4  0.00%  99.99%   0x00002b5ca2edd5f0   G4KaonMinusAbsorption::KaonMinusAbsorption(int*)</data4/wilrome/gauss/so
     2  0.00%  100.00%  0x00002b5ca2edd290   G4KaonMinusAbsorption::NFac(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
     3  0.00%  99.99%   0x00002b5ca2edd2f0   G4KaonMinusAbsorption::Poisso(float, int*)</data4/wilrome/gauss/soft/lhc
   188  0.00%  99.81%   0x00002b5c9bfd4760   G4KaonPlus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
    59  0.00%  99.92%   0x00002b5c9bfd4f60   G4KaonPlus::KaonPlus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
    20  0.00%  99.96%   0x00002b5c9bfd5840   G4KaonZero::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
   350  0.00%  99.70%   0x00002b5c9bfd4fe0   G4KaonZeroLong::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
    54  0.00%  99.92%   0x00002b5c9bfd57c0   G4KaonZeroLong::KaonZeroLong()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
   380  0.00%  99.68%   0x00002b5c9bfd6640   G4KaonZeroShort::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
    65  0.00%  99.91%   0x00002b5c9bfd7380   G4KaonZeroShort::KaonZeroShort()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
     2  0.00%  100.00%  0x00002b5ca2ee25d0   G4KineticTrack::G4KineticTrack(G4ParticleDefinition*, double, CLHEP::Hep
     1  0.00%  100.00%  0x00002b5ca2ee20b0   G4KineticTrack::IntegrandFunction1(double) const</data4/wilrome/gauss/so
     1  0.00%  100.00%  0x00002b5ca2ee21c0   G4KineticTrack::IntegrandFunction2(double) const</data4/wilrome/gauss/so
     1  0.00%  100.00%  0x00002b5ca2ee5d60   G4KineticTrackVector::G4KineticTrackVector()</data4/wilrome/gauss/soft/l
     9  0.00%  99.98%   0x00002b5c9bfd7690   G4KL3DecayChannel::DalitzDensity(double, double, double)</data4/wilrome/
     6  0.00%  99.99%   0x00002b5c9bfd7800   G4KL3DecayChannel::DecayIt(double)</data4/wilrome/gauss/soft/lhcb/GEANT4
    13  0.00%  99.97%   0x00002b5c9bfd7460   G4KL3DecayChannel::PhaseSpace(double, double const*, double*, double*)</
   131  0.00%  99.85%   0x00002b5c9c5237e0   G4KleinNishinaCompton::ComputeCrossSectionPerAtom(G4ParticleDefinition c
 37776  0.06%  91.76%   0x00002b5c9c523c20   G4KleinNishinaCompton::SampleSecondaries(G4MaterialCutsCouple const*, G4
    93  0.00%  99.89%   0x00002b5c9bfd8d80   G4Lambda::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
     9  0.00%  99.98%   0x00002b5c9bfd9ac0   G4Lambda::Lambda()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/
     1  0.00%  100.00%  0x00002b5ca2ee6b10   G4LCapture::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</data4/wil
     2  0.00%  100.00%  0x00002b5ca2ee8b10   G4LEAlphaInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</d
    15  0.00%  99.97%   0x00002b5ca2eeb2d0   G4LEAntiKaonZeroInelastic::ApplyYourself(G4HadProjectile const&, G4Nucle
    32  0.00%  99.95%   0x00002b5ca2ee9fd0   G4LEAntiKaonZeroInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&
     8  0.00%  99.98%   0x00002b5ca2ef04f0   G4LEAntiNeutronInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleu
    29  0.00%  99.95%   0x00002b5ca2eeeef0   G4LEAntiNeutronInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&,
     5  0.00%  99.99%   0x00002b5ca2ef4640   G4LEAntiProtonInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus
    35  0.00%  99.94%   0x00002b5ca2ef3120   G4LEAntiProtonInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&,
     1  0.00%  100.00%  0x00002b5ca2ef7ef0   G4LEAntiSigmaPlusInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>
     1  0.00%  100.00%  0x00002b5ca2efea10   G4LEDeuteronInelastic::~G4LEDeuteronInelastic()</data4/wilrome/gauss/sof
```

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   30  0.00%  99.95%   0x00002b5ca2efe060   G4LEDeuteronInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)
   13  0.00%  99.97%   0x00002b5ca2f001b0   G4LEKaonMinusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&
   22  0.00%  99.96%   0x00002b5ca2efefc0   G4LEKaonMinusInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, i
   19  0.00%  99.96%   0x00002b5ca2f02180   G4LEKaonPlusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)
   37  0.00%  99.94%   0x00002b5ca2f01240   G4LEKaonPlusInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, in
   13  0.00%  99.97%   0x00002b5ca2f04220   G4LEKaonZeroInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)
   36  0.00%  99.94%   0x00002b5ca2f03210   G4LEKaonZeroInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, in
    6  0.00%  99.99%   0x00002b5ca297c970   G4LEKaonZeroLInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&
    1  0.00%  100.00%  0x00002b5ca297c8e0   G4LEKaonZeroSInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&
    1  0.00%  100.00%  0x00002b5ca2f05e70   G4LELambdaInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</
    3  0.00%  99.99%   0x00002b5ca2f05100   G4LELambdaInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, int&
 1304  0.00%  99.24%   0x00002b5ca2f0b920   G4LENeutronInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)<
  577  0.00%  99.56%   0x00002b5ca2f0a9b0   G4LENeutronInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, int
 1304  0.00%  99.24%   0x00002b5ca2f09d10   G4LENeutronInelastic::SlowNeutron(G4HadProjectile const*, G4ReactionProd
  553  0.00%  99.58%   0x00002b5ca2f12730   G4LEPionMinusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&
  974  0.00%  99.36%   0x00002b5ca2f117b0   G4LEPionMinusInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, i
  448  0.00%  99.64%   0x00002b5ca2f147e0   G4LEPionPlusInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)
  966  0.00%  99.37%   0x00002b5ca2f137c0   G4LEPionPlusInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, in
  238  0.00%  99.77%   0x00002b5ca2f197b0   G4LEProtonInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</
  183  0.00%  99.81%   0x00002b5ca2f186d0   G4LEProtonInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&, int&
   69  0.00%  99.91%   0x00002b5ca2f182b0   G4LEProtonInelastic::SlowProton(G4HadProjectile const*, G4Nucleus&)</dat
    1  0.00%  100.00%  0x00002b5ca2f1af50   G4LESigmaMinusInelastic::Cascade(G4FastVector<G4ReactionProduct, 256>&,
   13  0.00%  99.97%   0x00002b5ca2f1e7e0   G4LETritonInelastic::ApplyYourself(G4HadProjectile const&, G4Nucleus&)</
26068  0.04%  93.55%   0x00002b5c9ca7c220   G4LineSection::Dist(CLHEP::Hep3Vector) const</data4/wilrome/gauss/soft/l
 8327  0.01%  97.69%   0x00002b5c9ca7c430   G4LineSection::Distline(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector cons
 5765  0.01%  98.12%   0x00002b5c9ca7c1c0   G4LineSection::G4LineSection(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
89684  0.14%  83.99%   0x00002b5c9ca7c6a0   G4LogicalBorderSurface::GetSurface(G4VPhysicalVolume const*, G4VPhysical
 2500  0.00%  98.85%   0x00002b5c9ca7d8f0   G4LogicalSkinSurface::GetSurface(G4LogicalVolume const*)</data4/wilrome/
    5  0.00%  99.99%   0x00002b5c9ca7eca0   G4LogicalVolume::~G4LogicalVolume()</data4/wilrome/gauss/soft/lhcb/GEANT
    8  0.00%  99.98%   0x00002b5c9cac9ab0   G4LogicalVolume::AddDaughter(G4VPhysicalVolume*)</data4/wilrome/gauss/so
    3  0.00%  99.99%   0x00002b5c9ca7f1e0   G4LogicalVolume::G4LogicalVolume(G4VSolid*, G4Material*, G4String const&
 4853  0.01%  98.28%   0x00002b5c9ca7e980   G4LogicalVolume::SetFieldManager(G4FieldManager*, bool)</data4/wilrome/g
   11  0.00%  99.98%   0x00002b5c9ca7f780   G4LogicalVolumeStore::GetInstance()</data4/wilrome/gauss/soft/lhcb/GEANT
    1  0.00%  100.00%  0x00002b5c9ca7fcd0   G4LogicalVolumeStore::Register(G4LogicalVolume*)</data4/wilrome/gauss/so
  122  0.00%  99.86%   0x00002b5c9c525bd0   G4LossTableBuilder::BuildDEDXTable(G4PhysicsTable*, std::vector<G4Physic
   75  0.00%  99.90%   0x00002b5c9c524c70   G4LossTableBuilder::BuildInverseRangeTable(G4PhysicsTable const*, G4Phys
10659  0.02%  97.16%   0x00002b5c9c525300   G4LossTableBuilder::BuildRangeTable(G4PhysicsTable const*, G4PhysicsTabl
    1  0.00%  100.00%  0x00002b5c9c529640   G4LossTableManager::CopyTables(G4ParticleDefinition const*, G4VEnergyLos
    2  0.00%  100.00%  0x00002b5c9c526e60   G4LossTableManager::EnergyLossProcessIsInitialised(G4ParticleDefinition
 4035  0.01%  98.48%   0x00002b5c9c527c30   G4LossTableManager::Instance()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
    1  0.00%  100.00%  0x00002b5c9c529e90   G4LossTableManager::RegisterIon(G4ParticleDefinition const*, G4VEnergyLo
73955  0.11%  86.41%   0x00002b5c9c171be0   G4LPhysicsFreeVector::FindBinLocation(double) const</data4/wilrome/gauss
    9  0.00%  99.98%   0x00002b5c9c1718a0   G4LPhysicsFreeVector::G4LPhysicsFreeVector(unsigned long, double, double
  442  0.00%  99.65%   0x00002b5ca2e5bb10   G4lrint(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Gea
```

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  5346  0.01%  98.17%   0x00002b5c9ca801d0   G4Mag_EqRhs::SetChargeMomentumMass(double, double, double)</data4/wilrom
713331  1.10%  32.78%   0x00002b5c9ca851e0   G4Mag_UsualEqRhs::EvaluateRhsGivenB(double const*, double const*, double
  3909  0.01%  98.53%   0x00002b5c9ca85320   G4Mag_UsualEqRhs::SetChargeMomentumMass(double, double, double)</data4/w
  2484  0.00%  98.85%   0x00002b5c9ca80680   G4MagErrorStepper::DistChord() const</data4/wilrome/gauss/soft/lhcb/GEAN
 59422  0.09%  88.08%   0x00002b5c9ca80450   G4MagErrorStepper::Stepper(double const*, double const*, double, double*
 94253  0.15%  83.15%   0x00002b5c9ca82440   G4MagInt_Driver::AccurateAdvance(G4FieldTrack&, double, double, double)<
  1468  0.00%  99.16%   0x00002b5c9ca817b0   G4MagInt_Driver::ComputeNewStepSize(double, double)</data4/wilrome/gauss
 44633  0.07%  90.88%   0x00002b5c9ca82050   G4MagInt_Driver::OneGoodStep(double*, double const*, double&, double, do
 91825  0.14%  83.44%   0x00002b5c9ca81bd0   G4MagInt_Driver::QuickAdvance(G4FieldTrack&, double const*, double, doub
     6  0.00%  99.99%   0x00002b5c9ccd4f20   G4Material::AddMaterial(G4Material*, double)</data4/wilrome/gauss/soft/l
     1  0.00%  100.00%  0x00002b5c9ccd3660   G4Material::ComputeDerivedQuantities()</data4/wilrome/gauss/soft/lhcb/GE
     1  0.00%  100.00%  0x00002b5c9ccd35f0   G4Material::ComputeRadiationLength()</data4/wilrome/gauss/soft/lhcb/GEAN
   212  0.00%  99.79%   0x00002b5c9ccd3850   G4Material::GetMaterial(G4String, bool)</data4/wilrome/gauss/soft/lhcb/G
 10164  0.02%  97.30%   0x00002b5ca3adbe60   G4Material::GetName() const</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v
     2  0.00%  100.00%  0x00002b5c9ccd8210   G4MaterialPropertiesTable::AddProperty(char const*, double*, double*, in
312956  0.48%  58.08%   0x00002b5c9ccd7810   G4MaterialPropertiesTable::GetProperty(char const*)</data4/wilrome/gauss
  2207  0.00%  98.94%   0x00002b5c9ccd74c0   G4MaterialPropertiesTable::SetGROUPVEL()</data4/wilrome/gauss/soft/lhcb/
    11  0.00%  99.98%   0x00002b5c9ccda160   G4MaterialPropertyVector::AddElement(double, double)</data4/wilrome/gaus
     2  0.00%  100.00%  0x00002b5c9ccda270   G4MaterialPropertyVector::G4MaterialPropertyVector(double*, double*, int
 71867  0.11%  86.97%   0x00002b5c9ccd9860   G4MaterialPropertyVector::GetAdjacentBins(double, int*, int*) const</dat
     1  0.00%  100.00%  0x00002b5c9ccd97a0   G4MaterialPropertyVector::GetPhotonMomentum() const</data4/wilrome/gauss
    13  0.00%  99.97%   0x00002b5c9ccd9ac0   G4MaterialPropertyVector::GetPhotonMomentum(double) const</data4/wilrome
     1  0.00%  100.00%  0x00002b5c9ccd9800   G4MaterialPropertyVector::GetProperty() const</data4/wilrome/gauss/soft/
292567  0.45%  59.91%   0x00002b5c9ccd98c0   G4MaterialPropertyVector::GetProperty(double) const</data4/wilrome/gauss
     1  0.00%  100.00%  0x00002b5ca2f3d380   G4MesonSplitter::SplitMeson(int, int*, int*)</data4/wilrome/gauss/soft/l
     1  0.00%  100.00%  0x00002b5ca2990580   G4MiscLHEPBuilder::Build()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
    32  0.00%  99.95%   0x00002b5c9c540080   G4MollerBhabhaModel::ComputeCrossSectionPerElectron(G4ParticleDefinition
   167  0.00%  99.83%   0x00002b5c9c540380   G4MollerBhabhaModel::ComputeDEDXPerVolume(G4Material const*, G4ParticleD
     3  0.00%  99.99%   0x00002b5c9c540350   G4MollerBhabhaModel::CrossSectionPerVolume(G4Material const*, G4Particle
 15054  0.02%  96.16%   0x00002b5c9c541440   G4MollerBhabhaModel::MaxSecondaryEnergy(G4ParticleDefinition const*, dou
     1  0.00%  100.00%  0x00002b5c9c53ff80   G4MollerBhabhaModel::MinEnergyCut(G4ParticleDefinition const*, G4Materia
    11  0.00%  99.98%   0x00002b5c9c540980   G4MollerBhabhaModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dy
   905  0.00%  99.39%   0x00002b5c9ccdac70   G4MPVEntry::~G4MPVEntry()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
  9359  0.01%  97.48%   0x00002b5c9ccdac30   G4MPVEntry::G4MPVEntry(double, double)</data4/wilrome/gauss/soft/lhcb/GE
   153  0.00%  99.84%   0x00002b5c9ccdabf0   G4MPVEntry::operator<(G4MPVEntry const&) const</data4/wilrome/gauss/soft
455817  0.70%  47.97%   0x00002b5c9ccdabd0   G4MPVEntry::operator==(G4MPVEntry const&) const</data4/wilrome/gauss/sof
    73  0.00%  99.90%   0x00002b5c9c544de0   G4MuBetheBlochModel::ComputeCrossSectionPerElectron(G4ParticleDefinition
   185  0.00%  99.81%   0x00002b5c9c545130   G4MuBetheBlochModel::ComputeDEDXPerVolume(G4Material const*, G4ParticleD
     2  0.00%  100.00%  0x00002b5c9c545100   G4MuBetheBlochModel::CrossSectionPerVolume(G4Material const*, G4Particle
   109  0.00%  99.87%   0x00002b5c9c545e90   G4MuBetheBlochModel::MaxSecondaryEnergy(G4ParticleDefinition const*, dou
    14  0.00%  99.97%   0x00002b5c9c54aad0   G4MuBremsstrahlungModel::ComputeDEDXPerVolume(G4Material const*, G4Parti
 43464  0.07%  91.02%   0x00002b5c9c549cc0   G4MuBremsstrahlungModel::ComputeDMicroscopicCrossSection(double, double,
  2244  0.00%  98.93%   0x00002b5c9c54a430   G4MuBremsstrahlungModel::ComputeMicroscopicCrossSection(double, double,
     2  0.00%  100.00%  0x00002b5c9c54b0a0   G4MuBremsstrahlungModel::ComputePartialSumSigma(G4Material const*, doubl
   386  0.00%  99.67%   0x00002b5c9c54a670   G4MuBremsstrahlungModel::ComputMuBremLoss(double, double, double, double
```

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    88  0.00%  99.89%   0x00002b5c9c54a920   G4MuBremsstrahlungModel::CrossSectionPerVolume(G4Material const*, G4Part
    50  0.00%  99.93%   0x00002b5c9c54a110   G4MuBremsstrahlungModel::MakeSamplingTables()</data4/wilrome/gauss/soft/
    37  0.00%  99.94%   0x00002b5ca2f4cbc0   G4MuMinusCaptureCascade::AddNewParticle(G4ParticleDefinition*, CLHEP::He
    58  0.00%  99.92%   0x00002b5ca2f4d3a0   G4MuMinusCaptureCascade::DoBoundMuonMinusDecay(double, int*, G4GHEKinema
   105  0.00%  99.87%   0x00002b5ca2f4cd20   G4MuMinusCaptureCascade::DoCascade(double, double, G4GHEKinematicsVector
    29  0.00%  99.95%   0x00002b5ca2f4cb00   G4MuMinusCaptureCascade::GetKShellEnergy(double)</data4/wilrome/gauss/so
   627  0.00%  99.53%   0x00002b5c9bfd9e30   G4MuonDecayChannel::DecayIt(double)</data4/wilrome/gauss/soft/lhcb/GEANT
   511  0.00%  99.60%   0x00002b5c9bfdd0e0   G4MuonMinus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
   189  0.00%  99.81%   0x00002b5c9bfdd640   G4MuonMinus::MuonMinus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
    78  0.00%  99.90%   0x00002b5ca2f558f0   G4MuonMinusCaptureAtRest::AtRestDoIt(G4Track const&, G4Step const&)</dat
    48  0.00%  99.93%   0x00002b5ca2f54750   G4MuonMinusCaptureAtRest::DoMuCapture()</data4/wilrome/gauss/soft/lhcb/G
     8  0.00%  99.98%   0x00002b5ca2f561e0   G4MuonMinusCaptureAtRest::GetMeanLifeTime(G4Track const&, G4ForceConditi
   485  0.00%  99.62%   0x00002b5c9bfdd6c0   G4MuonPlus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
   152  0.00%  99.84%   0x00002b5c9bfddc60   G4MuonPlus::MuonPlus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
    36  0.00%  99.94%   0x00002b5c9c55cf10   G4MuPairProductionModel::ComputeDEDXPerVolume(G4Material const*, G4Parti
 61050  0.09%  87.89%   0x00002b5c9c55ba90   G4MuPairProductionModel::ComputeDMicroscopicCrossSection(double, double,
    97  0.00%  99.88%   0x00002b5c9c55cab0   G4MuPairProductionModel::ComputeMicroscopicCrossSection(double, double,
   228  0.00%  99.78%   0x00002b5c9c55c870   G4MuPairProductionModel::ComputMuPairLoss(double, double, double, double
    56  0.00%  99.92%   0x00002b5c9c55ccf0   G4MuPairProductionModel::CrossSectionPerVolume(G4Material const*, G4Part
    35  0.00%  99.94%   0x00002b5c9c55c490   G4MuPairProductionModel::MakeSamplingTables()</data4/wilrome/gauss/soft/
    36  0.00%  99.94%   0x00002b5c9c55e5d0   G4MuPairProductionModel::MaxSecondaryEnergy(G4ParticleDefinition const*,
150705  0.23%  74.55%   0x00002b5c9ca88590   G4NavigationHistory::~G4NavigationHistory()</data4/wilrome/gauss/soft/lh
201667  0.31%  66.98%   0x00002b5c9ca886b0   G4NavigationHistory::G4NavigationHistory(G4NavigationHistory const&)</da
238034  0.37%  62.62%   0x00002b5c9ca8f0c0   G4NavigationHistory::NewLevel(G4VPhysicalVolume*, EVolume, int)</data4/w
393003  0.61%  51.21%   0x00002b5c9ca89320   G4NavigationLevel::~G4NavigationLevel()</data4/wilrome/gauss/soft/lhcb/G
122839  0.19%  78.44%   0x00002b5c9ca892d0   G4NavigationLevel::G4NavigationLevel(G4NavigationLevel const&)</data4/wi
170251  0.26%  71.82%   0x00002b5c9ca89100   G4NavigationLevel::G4NavigationLevel(G4VPhysicalVolume*, G4AffineTransfo
   698  0.00%  99.49%   0x00002b5c9ca88f80   G4NavigationLevel::G4NavigationLevel(G4VPhysicalVolume*, G4AffineTransfo
147434  0.23%  74.78%   0x00002b5c9ca89360   G4NavigationLevel::operator=(G4NavigationLevel const&)</data4/wilrome/ga
 18814  0.03%  95.28%   0x00002b5c9ca89e80   G4NavigationLevelRep::~G4NavigationLevelRep()</data4/wilrome/gauss/soft/
658618  1.01%  35.97%   0x00002b5c9ca89a80   G4NavigationLevelRep::G4NavigationLevelRep(G4VPhysicalVolume*, G4AffineT
   370  0.00%  99.69%   0x00002b5c9ca89650   G4NavigationLevelRep::G4NavigationLevelRep(G4VPhysicalVolume*, G4AffineT
128486  0.20%  77.08%   0x00002b5c9ca8ae30   G4Navigator::ComputeSafety(CLHEP::Hep3Vector const&, double)</data4/wilr
597204  0.92%  39.78%   0x00002b5c9ca8b1b0   G4Navigator::ComputeStep(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector con
  7306  0.01%  97.84%   0x00002b5c9ca8ad40   G4Navigator::GetLocalExitNormal(bool*)</data4/wilrome/gauss/soft/lhcb/GE
1345044  2.07%  23.19%   0x00002b5c9ca8cae0   G4Navigator::LocateGlobalPointAndSetup(CLHEP::Hep3Vector const&, CLHEP::
219499  0.34%  64.04%   0x00002b5c9ca8ba80   G4Navigator::LocateGlobalPointWithinVolume(CLHEP::Hep3Vector const&)</da
 33596  0.05%  92.26%   0x00002b5c9ca8e170   G4Navigator::ResetHierarchyAndLocate(CLHEP::Hep3Vector const&, CLHEP::He
 13463  0.02%  96.60%   0x00002b5c9ca8a640   G4Navigator::ResetState()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
 24869  0.04%  94.02%   0x00002b5c9ca8c430   G4Navigator::SetupHierarchy()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
     1  0.00%  100.00%  0x00002b5c9bfddce0   G4NeutrinoE::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
    15  0.00%  99.97%   0x00002b5c9bfde150   G4NeutrinoMu::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
     7  0.00%  99.99%   0x00002b5c9bfde540   G4NeutrinoMu::NeutrinoMu()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
  4985  0.01%  98.25%   0x00002b5c9bfdff00   G4Neutron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
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   581  0.00%  99.55%   0x00002b5c9bfe04a0   G4Neutron::Neutron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p
     2  0.00%  100.00%  0x00002b5c9bfe04b0   G4Neutron::NeutronDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
 10434  0.02%  97.21%   0x00002b5c9bfdea90   G4NeutronBetaDecayChannel::DecayIt(double)</data4/wilrome/gauss/soft/lhc
    10  0.00%  99.98%   0x00002b5ca2de7ad0   G4NeutronEvaporationProbability::CalcAlphaParam(G4Fragment const&) const
     2  0.00%  100.00%  0x00002b5ca2de7b10   G4NeutronEvaporationProbability::CalcBetaParam(G4Fragment const&) const<
     1  0.00%  100.00%  0x00002b5c9ccdb4c0   G4NistElementBuilder::Initialise()</data4/wilrome/gauss/soft/lhcb/GEANT4
     1  0.00%  100.00%  0x00002b5c9ccf6610   G4NistMessenger::~G4NistMessenger()</data4/wilrome/gauss/soft/lhcb/GEANT
  6992  0.01%  97.92%   0x00002b5c9ca8f2f0   G4NormalNavigation::ComputeSafety(CLHEP::Hep3Vector const&, G4Navigation
119410  0.18%  78.81%   0x00002b5c9ca8f5d0   G4NormalNavigation::ComputeStep(CLHEP::Hep3Vector const&, CLHEP::Hep3Vec
     3  0.00%  99.99%   0x00002b5ca30372b0   G4NuclearFermiDensity::~G4NuclearFermiDensity()</data4/wilrome/gauss/sof
     7  0.00%  99.99%   0x00002b5ca3037140   G4NuclearFermiDensity::G4NuclearFermiDensity(double, double)</data4/wilr
     2  0.00%  100.00%  0x00002b5ca30373c0   G4NuclearFermiDensity::GetRadius(double) const</data4/wilrome/gauss/soft
   386  0.00%  99.67%   0x00002b5ca3037330   G4NuclearFermiDensity::GetRelativeDensity(CLHEP::Hep3Vector const&) cons
    31  0.00%  99.95%   0x00002b5ca303b870   G4NuclearLevel::~G4NuclearLevel()</data4/wilrome/gauss/soft/lhcb/GEANT4/
    56  0.00%  99.92%   0x00002b5ca303b450   G4NuclearLevel::Energy() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
    21  0.00%  99.96%   0x00002b5ca303bc40   G4NuclearLevel::G4NuclearLevel(double, double, double, std::vector<doubl
    32  0.00%  99.95%   0x00002b5ca2dbc260   G4NuclearLevel::G4NuclearLevel(G4NuclearLevel const&)</data4/wilrome/gau
     7  0.00%  99.99%   0x00002b5ca303b4b0   G4NuclearLevel::GammaCumulativeProbabilities() const</data4/wilrome/gaus
     6  0.00%  99.99%   0x00002b5ca303b590   G4NuclearLevel::HalfLife() const</data4/wilrome/gauss/soft/lhcb/GEANT4/G
     2  0.00%  100.00%  0x00002b5ca303ba90   G4NuclearLevel::MakeCumProb()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
    12  0.00%  99.98%   0x00002b5ca303bb30   G4NuclearLevel::MakeProbabilities()</data4/wilrome/gauss/soft/lhcb/GEANT
     3  0.00%  99.99%   0x00002b5ca303b5a0   G4NuclearLevel::NumberOfGammas() const</data4/wilrome/gauss/soft/lhcb/GE
     1  0.00%  100.00%  0x00002b5ca303b460   G4NuclearLevel::operator<(G4NuclearLevel const&) const</data4/wilrome/ga
     1  0.00%  100.00%  0x00002b5ca3037510   G4NuclearLevelManager::G4NuclearLevelManager()</data4/wilrome/gauss/soft
     5  0.00%  99.99%   0x00002b5ca3037500   G4NuclearLevelManager::GetLevels() const</data4/wilrome/gauss/soft/lhcb/
     3  0.00%  99.99%   0x00002b5ca30374f0   G4NuclearLevelManager::IsValid() const</data4/wilrome/gauss/soft/lhcb/GE
    17  0.00%  99.97%   0x00002b5ca3038420   G4NuclearLevelManager::MakeLevels()</data4/wilrome/gauss/soft/lhcb/GEANT
     6  0.00%  99.99%   0x00002b5ca3037670   G4NuclearLevelManager::MaxLevelEnergy() const</data4/wilrome/gauss/soft/
     2  0.00%  100.00%  0x00002b5ca30376d0   G4NuclearLevelManager::MinLevelEnergy() const</data4/wilrome/gauss/soft/
    60  0.00%  99.92%   0x00002b5ca3037910   G4NuclearLevelManager::NearestLevel(double, double) const</data4/wilrome
     6  0.00%  99.99%   0x00002b5ca3037a00   G4NuclearLevelManager::NumberOfLevels() const</data4/wilrome/gauss/soft/
    62  0.00%  99.91%   0x00002b5ca3037a20   G4NuclearLevelManager::Read(std::basic_ifstream<char, std::char_traits<c
     1  0.00%  100.00%  0x00002b5ca3039ee0   G4NuclearLevelManager::SetNucleus(int, int, G4String const&)</data4/wilr
    22  0.00%  99.96%   0x00002b5ca303cb20   G4NuclearLevelStore::GenerateKey(int, int)</data4/wilrome/gauss/soft/lhc
    13  0.00%  99.97%   0x00002b5ca303c9c0   G4NuclearLevelStore::GetInstance()</data4/wilrome/gauss/soft/lhcb/GEANT4
    18  0.00%  99.97%   0x00002b5ca303ced0   G4NuclearLevelStore::GetManager(int, int)</data4/wilrome/gauss/soft/lhcb
     3  0.00%  99.99%   0x00002b5ca303dd60   G4NuclearShellModelDensity::~G4NuclearShellModelDensity()</data4/wilrome
     2  0.00%  100.00%  0x00002b5ca303dc90   G4NuclearShellModelDensity::G4NuclearShellModelDensity(double, double)</
     1  0.00%  100.00%  0x00002b5ca303ddc0   G4NuclearShellModelDensity::GetRadius(double) const</data4/wilrome/gauss
    12  0.00%  99.98%   0x00002b5ca303dd80   G4NuclearShellModelDensity::GetRelativeDensity(CLHEP::Hep3Vector const&)
     3  0.00%  99.99%   0x00002b5c9bfe0690   G4NucleiProperties::AtomicMass(double, double)</data4/wilrome/gauss/soft
     5  0.00%  99.99%   0x00002b5c9bfe0520   G4NucleiProperties::BindingEnergy(double, double)</data4/wilrome/gauss/s
  1131  0.00%  99.29%   0x00002b5c9bfe0730   G4NucleiProperties::GetAtomicMass(double, double)</data4/wilrome/gauss/s
  1110  0.00%  99.30%   0x00002b5c9bfe0a90   G4NucleiProperties::GetNuclearMass(double, double)</data4/wilrome/gauss/
  1123  0.00%  99.30%   0x00002b5c9bfe1200   G4NucleiPropertiesTable::GetAtomicMass(int, int)</data4/wilrome/gauss/so
```

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    10  0.00%  99.98%   0x00002b5c9bfe12d0   G4NucleiPropertiesTable::GetBindingEnergy(int, int)</data4/wilrome/gauss
  1875  0.00%  99.03%   0x00002b5c9bfe1120   G4NucleiPropertiesTable::GetIndex(int, int)</data4/wilrome/gauss/soft/lh
     3  0.00%  99.99%   0x00002b5c9bfe12a0   G4NucleiPropertiesTable::GetMassExcess(int, int)</data4/wilrome/gauss/so
   489  0.00%  99.61%   0x00002b5c9bfe1360   G4NucleiPropertiesTable::IsInTable(int, int)</data4/wilrome/gauss/soft/l
     1  0.00%  100.00%  0x00002b5c9bfe15b0   G4NucleiPropertiesTheoreticalTable::GetAtomicMass(int, int)</data4/wilro
    24  0.00%  99.96%   0x00002b5c9bfe1470   G4NucleiPropertiesTheoreticalTable::GetIndex(int, int)</data4/wilrome/ga
     6  0.00%  99.99%   0x00002b5c9bfe1670   G4NucleiPropertiesTheoreticalTable::IsInTable(int, int)</data4/wilrome/g
    11  0.00%  99.98%   0x00002b5ca304c300   G4Nucleon::~G4Nucleon()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
    38  0.00%  99.94%   0x00002b5ca304c280   G4Nucleon::G4Nucleon()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
     8  0.00%  99.98%   0x00002b5ca304c760   G4Nucleon::GetDefinition() const</data4/wilrome/gauss/soft/lhcb/GEANT4/G
     4  0.00%  99.99%   0x00002b5ca304c740   G4Nucleon::GetPosition() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
   103  0.00%  99.88%   0x00002b5ca304cb70   G4Nucleus::~G4Nucleus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
     5  0.00%  99.99%   0x00002b5ca304d4e0   G4Nucleus::AnnihilationEvaporationEffects(double, double)</data4/wilrome
    52  0.00%  99.92%   0x00002b5ca304d0e0   G4Nucleus::AtomicMass(double, double) const</data4/wilrome/gauss/soft/lh
   602  0.00%  99.54%   0x00002b5ca304d870   G4Nucleus::Cinema(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
  1038  0.00%  99.33%   0x00002b5ca304d0f0   G4Nucleus::EvaporationEffects(double)</data4/wilrome/gauss/soft/lhcb/GEA
   347  0.00%  99.70%   0x00002b5ca304cb10   G4Nucleus::G4Nucleus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
   578  0.00%  99.55%   0x00002b5ca304d020   G4Nucleus::ReturnTargetParticle() const</data4/wilrome/gauss/soft/lhcb/G
   959  0.00%  99.37%   0x00002b5ca304dc80   G4Nucleus::SetParameters(double, double)</data4/wilrome/gauss/soft/lhcb/
 20973  0.03%  94.64%   0x00002b5c9c5609c0   G4OpAbsorption::GetMeanFreePath(G4Track const&, double, G4ForceCondition
    37  0.00%  99.94%   0x00002b5c9c560950   G4OpAbsorption::PostStepDoIt(G4Track const&, G4Step const&)</data4/wilro
207549  0.32%  66.67%   0x00002b5c9bfe2e80   G4OpticalPhoton::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
 84400  0.13%  84.39%   0x00002b5c9bfe3270   G4OpticalPhoton::OpticalPhoton()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
    11  0.00%  99.98%   0x00002b5ca3060000   G4PairingCorrection::GetInstance()</data4/wilrome/gauss/soft/lhcb/GEANT4
   264  0.00%  99.76%   0x00002b5c9c87ade0   G4ParticleChange::AddSecondary(G4DynamicParticle*, bool)</data4/wilrome/
   344  0.00%  99.70%   0x00002b5c9c879d70   G4ParticleChange::AddSecondary(G4Track*)</data4/wilrome/gauss/soft/lhcb/
     3  0.00%  99.99%   0x00002b5c9c879850   G4ParticleChange::G4ParticleChange()</data4/wilrome/gauss/soft/lhcb/GEAN
126826  0.20%  77.66%   0x00002b5c9c879d80   G4ParticleChange::Initialize(G4Track const&)</data4/wilrome/gauss/soft/l
397653  0.61%  50.61%   0x00002b5c9c879ed0   G4ParticleChange::UpdateStepForAlongStep(G4Step*)</data4/wilrome/gauss/s
    46  0.00%  99.93%   0x00002b5c9c87a4c0   G4ParticleChange::UpdateStepForAtRest(G4Step*)</data4/wilrome/gauss/soft
 46985  0.07%  90.53%   0x00002b5c9c87a3b0   G4ParticleChange::UpdateStepForPostStep(G4Step*)</data4/wilrome/gauss/so
   616  0.00%  99.53%   0x00002b5c9c8766f0   G4ParticleChangeForDecay::Initialize(G4Track const&)</data4/wilrome/gaus
   264  0.00%  99.76%   0x00002b5c9c8767f0   G4ParticleChangeForDecay::UpdateStepForAtRest(G4Step*)</data4/wilrome/ga
    37  0.00%  99.94%   0x00002b5c9c8767c0   G4ParticleChangeForDecay::UpdateStepForPostStep(G4Step*)</data4/wilrome/
   462  0.00%  99.63%   0x00002b5c9c8773c0   G4ParticleChangeForGamma::UpdateStepForAtRest(G4Step*)</data4/wilrome/ga
  6972  0.01%  97.94%   0x00002b5c9c8773f0   G4ParticleChangeForGamma::UpdateStepForPostStep(G4Step*)</data4/wilrome/
 48147  0.07%  90.31%   0x00002b5c9c877c30   G4ParticleChangeForLoss::UpdateStepForAlongStep(G4Step*)</data4/wilrome/
  8276  0.01%  97.70%   0x00002b5c9c877cb0   G4ParticleChangeForLoss::UpdateStepForPostStep(G4Step*)</data4/wilrome/g
 14833  0.02%  96.19%   0x00002b5c9c8780c0   G4ParticleChangeForMSC::UpdateStepForAlongStep(G4Step*)</data4/wilrome/g
 12592  0.02%  96.82%   0x00002b5c9c8780e0   G4ParticleChangeForMSC::UpdateStepForPostStep(G4Step*)</data4/wilrome/ga
302815  0.47%  58.54%   0x00002b5c9c878740   G4ParticleChangeForTransport::UpdateStepForAlongStep(G4Step*)</data4/wil
 97801  0.15%  82.26%   0x00002b5c9c878c80   G4ParticleChangeForTransport::UpdateStepForPostStep(G4Step*)</data4/wilr
     4  0.00%  99.99%   0x00002b5c9bfe3f00   G4ParticleDefinition::G4ParticleDefinition(G4String const&, double, doub
  7643  0.01%  97.77%   0x00002b5c9bfe37f0   G4ParticleDefinition::operator==(G4ParticleDefinition const&) const</dat
```

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   568  0.00%  99.56%   0x00002b5c9bfe8500   G4ParticleTable::CheckReadiness()</data4/wilrome/gauss/soft/lhcb/GEANT4/
   433  0.00%  99.65%   0x00002b5c9bfe87f0   G4ParticleTable::FindIon(int, int, int, int)</data4/wilrome/gauss/soft/l
    91  0.00%  99.89%   0x00002b5c9bfe8c60   G4ParticleTable::FindParticle(int)</data4/wilrome/gauss/soft/lhcb/GEANT4
    20  0.00%  99.96%   0x00002b5c9bfe8bc0   G4ParticleTable::GetParticle(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/
   708  0.00%  99.48%   0x00002b5c9bfe9860   G4ParticleTable::GetParticleTable()</data4/wilrome/gauss/soft/lhcb/GEANT
     6  0.00%  99.99%   0x00002b5c9bfe9da0   G4ParticleTable::Insert(G4ParticleDefinition*)</data4/wilrome/gauss/soft
     1  0.00%  100.00%  0x00002b5c9bfe8e10   G4ParticleTable::RemoveAllParticles()</data4/wilrome/gauss/soft/lhcb/GEA
     1  0.00%  100.00%  0x00002b5c9ca9f020   G4PathFinder::GetInstance()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
     2  0.00%  100.00%  0x00002b5c9bfeb130   G4PDGCodeChecker::CheckCharge(double) const</data4/wilrome/gauss/soft/lh
     6  0.00%  99.99%   0x00002b5c9bfeb1d0   G4PDGCodeChecker::CheckPDGCode(int, G4String)</data4/wilrome/gauss/soft/
     1  0.00%  100.00%  0x00002b5c9bfeb660   G4PDGCodeChecker::G4PDGCodeChecker()</data4/wilrome/gauss/soft/lhcb/GEAN
     5  0.00%  99.99%   0x00002b5c9bfeabd0   G4PDGCodeChecker::GetDigits(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
214178  0.33%  65.37%   0x00002b5c9c57e170   G4PEEffectModel::ComputeCrossSectionPerAtom(G4ParticleDefinition const*,
  7567  0.01%  97.80%   0x00002b5c9c57da60   G4PEEffectModel::ElecCosThetaDistribution(double)</data4/wilrome/gauss/s
  1884  0.00%  99.02%   0x00002b5c9c57dc70   G4PEEffectModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dynami
   280  0.00%  99.74%   0x00002b5c9bfed350   G4PhaseSpaceDecayChannel::DecayIt(double)</data4/wilrome/gauss/soft/lhcb
     2  0.00%  100.00%  0x00002b5c9bfed410   G4PhaseSpaceDecayChannel::G4PhaseSpaceDecayChannel(G4String const&, doub
   300  0.00%  99.73%   0x00002b5c9bfeb940   G4PhaseSpaceDecayChannel::Pmx(double, double, double)</data4/wilrome/gau
     7  0.00%  99.99%   0x00002b5c9bfeb9d0   G4PhaseSpaceDecayChannel::ThreeBodyDecayIt()</data4/wilrome/gauss/soft/l
   772  0.00%  99.46%   0x00002b5c9bfec300   G4PhaseSpaceDecayChannel::TwoBodyDecayIt()</data4/wilrome/gauss/soft/lhc
   462  0.00%  99.64%   0x00002b5c9c5a4a80   G4PhotoElectricEffect::SecondariesPostStep(G4VEmModel*, G4MaterialCutsCo
    10  0.00%  99.98%   0x00002b5ca306a810   G4PhotonEvaporation::BreakItUp(G4Fragment const&)</data4/wilrome/gauss/s
    16  0.00%  99.97%   0x00002b5ca306af20   G4PhotonEvaporation::BreakUp(G4Fragment const&)</data4/wilrome/gauss/sof
     4  0.00%  99.99%   0x00002b5ca3069d30   G4PhotonEvaporation::GetEmissionProbability() const</data4/wilrome/gauss
     5  0.00%  99.99%   0x00002b5ca3069d20   G4PhotonEvaporation::Initialize(G4Fragment const&)</data4/wilrome/gauss/
 30653  0.05%  92.56%   0x00002b5ca306b760   G4PhotoNuclearCrossSection::EquLinearFit(double, int, double, double, do
 79151  0.12%  85.02%   0x00002b5ca306b860   G4PhotoNuclearCrossSection::GetCrossSection(G4DynamicParticle const*, G4
     5  0.00%  99.99%   0x00002b5ca306b4b0   G4PhotoNuclearCrossSection::GetFunctions(double, double*, double*)</data
481473  0.74%  46.54%   0x00002b5ca306ba10   G4PhotoNuclearCrossSection::GetIsoZACrossSection(G4DynamicParticle const
 26847  0.04%  93.39%   0x00002b5ca306c8c0   G4PhotoNuclearCrossSection::IsApplicable(G4DynamicParticle const*, G4Ele
  9574  0.01%  97.45%   0x00002b5ca306c8e0   G4PhotoNuclearCrossSection::IsZAApplicable(G4DynamicParticle const*, dou
    11  0.00%  99.98%   0x00002b5c9caa3930   G4PhysicalVolumeStore::Clean(bool)</data4/wilrome/gauss/soft/lhcb/GEANT4
     8  0.00%  99.98%   0x00002b5c9caa3640   G4PhysicalVolumeStore::GetInstance()</data4/wilrome/gauss/soft/lhcb/GEAN
     2  0.00%  100.00%  0x00002b5c9caa38a0   G4PhysicalVolumeStore::Register(G4VPhysicalVolume*)</data4/wilrome/gauss
     3  0.00%  99.99%   0x00002b5c9c174c80   G4PhysicsLogVector::~G4PhysicsLogVector()</data4/wilrome/gauss/soft/lhcb
129961  0.20%  76.88%   0x00002b5c9c175550   G4PhysicsLogVector::FindBinLocation(double) const</data4/wilrome/gauss/s
   186  0.00%  99.81%   0x00002b5c9c174d30   G4PhysicsLogVector::G4PhysicsLogVector(double, double, unsigned long)</d
    11  0.00%  99.98%   0x00002b5c9c175c20   G4PhysicsOrderedFreeVector::FindBinLocation(double) const</data4/wilrome
     1  0.00%  100.00%  0x00002b5c9c1771e0   G4PhysicsTable::~G4PhysicsTable()</data4/wilrome/gauss/soft/lhcb/GEANT4/
     1  0.00%  100.00%  0x00002b5c9c178690   G4PhysicsTable::resize(unsigned long, G4PhysicsVector*)</data4/wilrome/g
     1  0.00%  100.00%  0x00002b5c9c5a4bf0   G4PhysicsTableHelper::PreparePhysicsTable(G4PhysicsTable*)</data4/wilrom
    10  0.00%  99.98%   0x00002b5c9c5a4b10   G4PhysicsTableHelper::SetPhysicsVector(G4PhysicsTable*, unsigned long, G
     1  0.00%  100.00%  0x00002b5c9c179580   G4PhysicsVector** std::fill_n<G4PhysicsVector**, unsigned long, G4Physic
     9  0.00%  99.98%   0x00002b5c9c17a5e0   G4PhysicsVector::~G4PhysicsVector()</data4/wilrome/gauss/soft/lhcb/GEANT
     6  0.00%  99.99%   0x00002b5c9c17a160   G4PhysicsVector::G4PhysicsVector()</data4/wilrome/gauss/soft/lhcb/GEANT4
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 21145  0.03%  94.57%   0x00002b5c9c17a0c0   G4PhysicsVector::GetLowEdgeEnergy(unsigned long) const</data4/wilrome/ga
 39644  0.06%  91.59%   0x00002b5c9c4cc300   G4PhysicsVector::GetValue(double, bool&)</data4/wilrome/gauss/soft/lhcb/
   243  0.00%  99.77%   0x00002b5c9bfedb30   G4PionMinus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
    47  0.00%  99.93%   0x00002b5c9bfee490   G4PionMinus::PionMinus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
   404  0.00%  99.66%   0x00002b5ca307b640   G4PionMinusAbsorptionAtRest::AtRestDoIt(G4Track const&, G4Step const&)</
   143  0.00%  99.85%   0x00002b5ca307b420   G4PionMinusAbsorptionAtRest::AtRestGetPhysicalInteractionLength(G4Track
  1389  0.00%  99.20%   0x00002b5ca307b0f0   G4PionMinusAbsorptionAtRest::GenerateSecondaries()</data4/wilrome/gauss/
    39  0.00%  99.94%   0x00002b5ca307bcd0   G4PionMinusAbsorptionAtRest::GetMeanLifeTime(G4Track const&, G4ForceCond
   106  0.00%  99.87%   0x00002b5ca3079f30   G4PionMinusAbsorptionAtRest::NFac(int)</data4/wilrome/gauss/soft/lhcb/GE
   774  0.00%  99.45%   0x00002b5ca307a290   G4PionMinusAbsorptionAtRest::PionMinusAbsorption(int*)</data4/wilrome/ga
   132  0.00%  99.85%   0x00002b5ca3079f90   G4PionMinusAbsorptionAtRest::Poisso(float, int*)</data4/wilrome/gauss/so
   281  0.00%  99.74%   0x00002b5c9bfee510   G4PionPlus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
    16  0.00%  99.97%   0x00002b5c9bfeee70   G4PionPlus::PionPlus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
   269  0.00%  99.75%   0x00002b5c9bfeeef0   G4PionZero::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
    99  0.00%  99.88%   0x00002b5c9bfefae0   G4PionZero::PionZero()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
     1  0.00%  100.00%  0x00002b5c9caa6ac0   G4Polycone::Create(double, double, G4ReduciblePolygon*)</data4/wilrome/g
   772  0.00%  99.45%   0x00002b5c9caa5250   G4Polycone::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/
  2026  0.00%  99.00%   0x00002b5c9caa51e0   G4Polycone::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector con
  6549  0.01%  97.97%   0x00002b5c9caa5190   G4Polycone::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/
   149  0.00%  99.84%   0x00002b5c9caab050   G4PolyconeSide::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTra
215974  0.33%  64.71%   0x00002b5c9caad7d0   G4PolyconeSide::Distance(CLHEP::Hep3Vector const&, bool)</data4/wilrome/
882947  1.36%  27.99%   0x00002b5c9caad1d0   G4PolyconeSide::DistanceAway(CLHEP::Hep3Vector const&, bool, double&, do
131115  0.20%  76.48%   0x00002b5c9caad690   G4PolyconeSide::Inside(CLHEP::Hep3Vector const&, double, double*)</data4
 91442  0.14%  83.58%   0x00002b5c9caadd60   G4PolyconeSide::Intersect(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector co
 36302  0.06%  91.99%   0x00002b5c9caad4d0   G4PolyconeSide::Normal(CLHEP::Hep3Vector const&, double*)</data4/wilrome
113600  0.18%  79.71%   0x00002b5c9caad8d0   G4PolyconeSide::PointOnCone(CLHEP::Hep3Vector const&, double, CLHEP::Hep
     1  0.00%  100.00%  0x00002b5c9cabcbe0   G4PolyPhiFace::~G4PolyPhiFace()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
   313  0.00%  99.72%   0x00002b5c9cabd920   G4PolyPhiFace::Distance(CLHEP::Hep3Vector const&, bool)</data4/wilrome/g
     1  0.00%  100.00%  0x00002b5c9cabbd60   G4PolyPhiFace::G4PolyPhiFace(G4ReduciblePolygon const*, double, double,
    13  0.00%  99.97%   0x00002b5c9cabda70   G4PolyPhiFace::Inside(CLHEP::Hep3Vector const&, double, double*)</data4/
  1470  0.00%  99.16%   0x00002b5c9cabd7e0   G4PolyPhiFace::InsideEdges(double, double, double*, G4PolyPhiFaceVertex*
     6  0.00%  99.99%   0x00002b5c9cabd010   G4PolyPhiFace::InsideEdgesExact(double, double, double, CLHEP::Hep3Vecto
   135  0.00%  99.85%   0x00002b5c9cabd610   G4PolyPhiFace::Intersect(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector con
    69  0.00%  99.91%   0x00002b5c9cabdcd0   G4PolyPhiFace::Normal(CLHEP::Hep3Vector const&, double*)</data4/wilrome/
 27108  0.04%  93.35%   0x00002b5c9bfefb60   G4Positron::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
   236  0.00%  99.78%   0x00002b5c9bfeff60   G4Positron::Positron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
 20288  0.03%  94.96%   0x00002b5c9bfeff70   G4Positron::PositronDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
   245  0.00%  99.77%   0x00002b5c9bff0940   G4PrimaryParticle::~G4PrimaryParticle()</data4/wilrome/gauss/soft/lhcb/G
    42  0.00%  99.93%   0x00002b5c9bff02c0   G4PrimaryParticle::G4PrimaryParticle(int, double, double, double)</data4
    24  0.00%  99.96%   0x00002b5c9bff0af0   G4PrimaryParticle::GetCharge() const</data4/wilrome/gauss/soft/lhcb/GEAN
     3  0.00%  99.99%   0x00002b5c9bff0ab0   G4PrimaryParticle::GetMass() const</data4/wilrome/gauss/soft/lhcb/GEANT4
     1  0.00%  100.00%  0x00002b5c9bd27540   G4PrimaryParticle::SetNext(G4PrimaryParticle*)</data4/wilrome/gauss/soft
     1  0.00%  100.00%  0x00002b5c9bd2c400   G4PrimaryTransformer::CheckDynamicParticle(G4DynamicParticle*)</data4/wi
    86  0.00%  99.89%   0x00002b5c9bd2ca70   G4PrimaryTransformer::GenerateSingleTrack(G4PrimaryParticle*, double, do
```

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     8  0.00%  99.98%   0x00002b5c9bd2d2d0   G4PrimaryTransformer::GenerateTracks(G4PrimaryVertex*)</data4/wilrome/ga
    27  0.00%  99.95%   0x00002b5c9bd2c760   G4PrimaryTransformer::GetDefinition(G4PrimaryParticle*)</data4/wilrome/g
     1  0.00%  100.00%  0x00002b5c9bd2d380   G4PrimaryTransformer::GimmePrimaries(G4Event*, int)</data4/wilrome/gauss
    20  0.00%  99.96%   0x00002b5c9bd2c7a0   G4PrimaryTransformer::IsGoodForTrack(G4ParticleDefinition*)</data4/wilro
   183  0.00%  99.81%   0x00002b5c9bd2c490   G4PrimaryTransformer::SetDecayProducts(G4PrimaryParticle*, G4DynamicPart
     4  0.00%  99.99%   0x00002b5c9bff11b0   G4PrimaryVertex::~G4PrimaryVertex()</data4/wilrome/gauss/soft/lhcb/GEANT
     1  0.00%  100.00%  0x00002b5c9bff1090   G4PrimaryVertex::G4PrimaryVertex(double, double, double, double)</data4/
     8  0.00%  99.98%   0x00002b5c9c5a6c00   G4ProcessAttribute::G4ProcessAttribute(G4ProcessAttribute const&)</data4
     9  0.00%  99.98%   0x00002b5c9c5abe80   G4ProcessManager::AddProcess(G4VProcess*, int, int, int)</data4/wilrome/
    19  0.00%  99.96%   0x00002b5c9c5aae10   G4ProcessManager::CreateGPILvectors()</data4/wilrome/gauss/soft/lhcb/GEA
 70711  0.11%  87.19%   0x00002b5c9c5a8d70   G4ProcessManager::EndTracking()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
     9  0.00%  99.98%   0x00002b5c9c5aa7c0   G4ProcessManager::FindInsertPosition(int, int)</data4/wilrome/gauss/soft
     9  0.00%  99.98%   0x00002b5c9c5ac4c0   G4ProcessManager::G4ProcessManager(G4ProcessManager&)</data4/wilrome/gau
    14  0.00%  99.97%   0x00002b5c9c5a8ba0   G4ProcessManager::GetAttribute(G4VProcess*) const</data4/wilrome/gauss/s
142270  0.22%  75.22%   0x00002b5c9c5a8a00   G4ProcessManager::GetAttribute(int) const</data4/wilrome/gauss/soft/lhcb
     1  0.00%  100.00%  0x00002b5c9c5aba40   G4ProcessManager::InsertAt(int, G4VProcess*, int)</data4/wilrome/gauss/s
     1  0.00%  100.00%  0x00002b5c9c5abc00   G4ProcessManager::SetProcessOrdering(G4VProcess*, G4ProcessVectorDoItInd
 87584  0.13%  84.13%   0x00002b5c9c5a8df0   G4ProcessManager::StartTracking(G4Track*)</data4/wilrome/gauss/soft/lhcb
     7  0.00%  99.99%   0x00002b5c9c5b24a0   G4ProcessTable::GetProcessTable()</data4/wilrome/gauss/soft/lhcb/GEANT4/
   164  0.00%  99.83%   0x00002b5c9c5b2e70   G4ProcessTable::Insert(G4VProcess*, G4ProcessManager*)</data4/wilrome/ga
     5  0.00%  99.99%   0x00002b5c9c5b37c0   G4ProcessVector::G4ProcessVector(unsigned long)</data4/wilrome/gauss/sof
     5  0.00%  99.99%   0x00002b5c9c5b3d60   G4ProcTblElement::~G4ProcTblElement()</data4/wilrome/gauss/soft/lhcb/GEA
     4  0.00%  99.99%   0x00002b5c9c5b4d00   G4ProductionCutsTable::ConvertRangeToEnergy(G4ParticleDefinition const*,
421339  0.65%  49.99%   0x00002b5c9c5b4c30   G4ProductionCutsTable::ScanAndSetCouple(G4LogicalVolume*, G4MaterialCuts
     3  0.00%  99.99%   0x00002b5c9c5bb620   G4ProductionCutsTable::UpdateCoupleTable(G4VPhysicalVolume*)</data4/wilr
 56884  0.09%  88.52%   0x00002b5c9cac0cd0   G4PropagatorInField::ClearPropagatorState()</data4/wilrome/gauss/soft/lh
 75472  0.12%  85.49%   0x00002b5c9cac4e80   G4PropagatorInField::ComputeStep(G4FieldTrack&, double, double&, G4VPhys
 20382  0.03%  94.92%   0x00002b5c9cac08c0   G4PropagatorInField::FindAndSetFieldManager(G4VPhysicalVolume*)</data4/w
 52598  0.08%  89.02%   0x00002b5c9cac0ca0   G4PropagatorInField::GimmeTrajectoryVectorAndForgetIt() const</data4/wil
 66991  0.10%  87.50%   0x00002b5c9cac08f0   G4PropagatorInField::IntersectChord(CLHEP::Hep3Vector, CLHEP::Hep3Vector
 66889  0.10%  87.60%   0x00002b5c9cac1ff0   G4PropagatorInField::LocateIntersectionPoint(G4FieldTrack const&, G4Fiel
    16  0.00%  99.97%   0x00002b5c9cac1a60   G4PropagatorInField::ReEstimateEndpoint(G4FieldTrack const&, G4FieldTrac
   627  0.00%  99.53%   0x00002b5c9bff14f0   G4Proton::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
    78  0.00%  99.90%   0x00002b5c9bff18f0   G4Proton::Proton()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/
     2  0.00%  100.00%  0x00002b5c9bff1900   G4Proton::ProtonDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
     6  0.00%  99.99%   0x00002b5ca3086690   G4ProtonCoulombBarrier::BarrierPenetrationFactor(double) const</data4/wi
     3  0.00%  99.99%   0x00002b5ca3088000   G4ProtonEvaporationProbability::CalcAlphaParam(G4Fragment const&) const<
     2  0.00%  100.00%  0x00002b5ca3087140   G4ProtonEvaporationProbability::CCoeficient(double) const</data4/wilrome
  2114  0.00%  98.98%   0x00002b5c9c5bd860   G4PSTARStopping::GetIndex(G4Material const*)</data4/wilrome/gauss/soft/l
    39  0.00%  99.94%   0x00002b5c9c5bd9f0   G4PSTARStopping::Initialise()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
     5  0.00%  99.99%   0x00002b5c9cac7700   G4PVPlacement::~G4PVPlacement()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
    11  0.00%  99.98%   0x00002b5c9cac8960   G4PVPlacement::G4PVPlacement(HepGeom::Transform3D const&, G4LogicalVolum
 77658  0.12%  85.14%   0x00002b5c9cac7760   G4PVPlacement::GetCopyNo() const</data4/wilrome/gauss/soft/lhcb/GEANT4/G
    83  0.00%  99.89%   0x00002b5c9cac7790   G4PVPlacement::IsParameterised() const</data4/wilrome/gauss/soft/lhcb/GE
 19831  0.03%  95.02%   0x00002b5c9cac7780   G4PVPlacement::IsReplicated() const</data4/wilrome/gauss/soft/lhcb/GEANT
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    1  0.00%  100.00%  0x00002b5c9cac77e0   G4PVPlacement::NewPtrRotMatrix(CLHEP::HepRotation const&)</data4/wilrome
 1797  0.00%   99.06%  0x00002b5ca3091f20   G4QCandidate::~G4QCandidate()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
 4162  0.01%   98.45%  0x00002b5ca30920d0   G4QCandidate::G4QCandidate(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
  139  0.00%   99.85%  0x00002b5ca309f010   G4QCHIPSWorld::Get()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p
   54  0.00%   99.92%  0x00002b5ca309f1f0   G4QCHIPSWorld::GetParticles(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
   97  0.00%   99.88%  0x00002b5ca309f070   G4QCHIPSWorld::GetQWorld()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
 3513  0.01%   98.62%  0x00002b5ca30a4f70   G4QContent::~G4QContent()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
  143  0.00%   99.85%  0x00002b5ca30a6910   G4QContent::DecQAQ(int const&)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
14790  0.02%   96.21%  0x00002b5ca30a4f40   G4QContent::G4QContent(G4QContent const&)</data4/wilrome/gauss/soft/lhcb
 5513  0.01%   98.14%  0x00002b5ca30a4f80   G4QContent::G4QContent(int, int, int, int, int, int)</data4/wilrome/gaus
14123  0.02%   96.43%  0x00002b5ca30a5cc0   G4QContent::GetBaryonNumber() const</data4/wilrome/gauss/soft/lhcb/GEANT
10915  0.02%   97.11%  0x00002b5ca30a61d0   G4QContent::GetCharge() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
   65  0.00%   99.91%  0x00002b5ca30a59c0   G4QContent::GetL() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
  158  0.00%   99.83%  0x00002b5ca30a5980   G4QContent::GetN() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
   61  0.00%   99.91%  0x00002b5ca30a5940   G4QContent::GetP() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
25756  0.04%   93.59%  0x00002b5ca30a62f0   G4QContent::GetSPDGCode() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
   53  0.00%   99.92%  0x00002b5ca30a5800   G4QContent::IncQAQ(int const&, double const&)</data4/wilrome/gauss/soft/
  372  0.00%   99.68%  0x00002b5ca30a5a60   G4QContent::NOfCombinations(G4QContent const&) const</data4/wilrome/gaus
15961  0.02%   95.97%  0x00002b5ca30a5080   G4QContent::operator-=(G4QContent const&)</data4/wilrome/gauss/soft/lhcb
 6007  0.01%   98.10%  0x00002b5ca30a5050   G4QContent::operator=(G4QContent const&)</data4/wilrome/gauss/soft/lhcb/
  279  0.00%   99.74%  0x00002b5ca30a5320   G4QContent::operator-=(G4QContent&)</data4/wilrome/gauss/soft/lhcb/GEANT
 4583  0.01%   98.34%  0x00002b5ca30aea20   G4QElasticCrossSection::CalculateCrossSection(bool, int, int, int, int,
 6182  0.01%   98.04%  0x00002b5ca30ae120   G4QElasticCrossSection::GetCrossSection(bool, double, int, int, int)</da
  204  0.00%   99.80%  0x00002b5ca30ab680   G4QElasticCrossSection::GetExchangeT(int, int, int)</data4/wilrome/gauss
 1549  0.00%   99.13%  0x00002b5ca30a9aa0   G4QElasticCrossSection::GetQ2max(int, int, int, double)</data4/wilrome/g
   10  0.00%   99.98%  0x00002b5ca30aa1d0   G4QElasticCrossSection::GetTabValues(double, int, int, int)</data4/wilro
   36  0.00%   99.94%  0x00002b5ca30b5fa0   G4QEnvironment::~G4QEnvironment()</data4/wilrome/gauss/soft/lhcb/GEANT4/
  190  0.00%   99.81%  0x00002b5ca30b6210   G4QEnvironment::CleanUp()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
  788  0.00%   99.44%  0x00002b5ca30fdcb0   G4QEnvironment::CreateQuasmon(G4QContent const&, CLHEP::HepLorentzVector
   73  0.00%   99.90%  0x00002b5ca30c1a20   G4QEnvironment::DecayDibaryon(G4QHadron*)</data4/wilrome/gauss/soft/lhcb
 1214  0.00%   99.27%  0x00002b5ca30b67e0   G4QEnvironment::EvaporateResidual(G4QHadron*, bool)</data4/wilrome/gauss
  218  0.00%   99.79%  0x00002b5ca30fca70   G4QEnvironment::Fragment()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
 2874  0.00%   98.76%  0x00002b5ca30e9f20   G4QEnvironment::FSInteraction()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
  767  0.00%   99.46%  0x00002b5ca3100460   G4QEnvironment::G4QEnvironment(std::vector<G4QHadron*, std::allocator<G4
 1646  0.00%   99.11%  0x00002b5ca30d76d0   G4QEnvironment::HadronizeQEnvironment()</data4/wilrome/gauss/soft/lhcb/G
  377  0.00%   99.68%  0x00002b5ca30d5ea0   G4QEnvironment::InitClustersVector(int, int)</data4/wilrome/gauss/soft/l
  899  0.00%   99.39%  0x00002b5ca30b5c90   G4QEnvironment::PrepareInteractionProbabilities(G4QContent const&, doubl
    2  0.00%  100.00%  0x00002b5ca310ef00   G4QGSMFragmentation::FragmentString(G4ExcitedString const&)</data4/wilro
    1  0.00%  100.00%  0x00002b5ca31143f0   G4QGSMSplitableHadron::DiffractiveSplitUp()</data4/wilrome/gauss/soft/lh
    1  0.00%  100.00%  0x00002b5ca3116460   G4QGSParticipants::PerformSoftCollisions()</data4/wilrome/gauss/soft/lhc
20454  0.03%   94.86%  0x00002b5ca311d060   G4QHadron::~G4QHadron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
  278  0.00%   99.74%  0x00002b5ca311cd70   G4QHadron::~G4QHadron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
  221  0.00%   99.79%  0x00002b5ca311cef0   G4QHadron::~G4QHadron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
  751  0.00%   99.46%  0x00002b5ca31199a0   G4QHadron::DecayIn2(CLHEP::HepLorentzVector&, CLHEP::HepLorentzVector&)<
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   41  0.00%  99.94%   0x00002b5ca31223d0   G4QHadron::DecayIn3(CLHEP::HepLorentzVector&, CLHEP::HepLorentzVector&,
25311  0.04%  93.79%   0x00002b5ca3118400   G4QHadron::DefineQC(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
  236  0.00%  99.78%   0x00002b5ca31230a0   G4QHadron::G4QHadron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
  114  0.00%  99.87%   0x00002b5ca3122e10   G4QHadron::G4QHadron()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
  263  0.00%  99.76%   0x00002b5ca3122150   G4QHadron::G4QHadron(CLHEP::HepLorentzVector)</data4/wilrome/gauss/soft/
19571  0.03%  95.11%   0x00002b5ca3120b80   G4QHadron::G4QHadron(G4QContent, CLHEP::HepLorentzVector)</data4/wilrome
  218  0.00%  99.79%   0x00002b5ca31206d0   G4QHadron::G4QHadron(G4QContent, CLHEP::HepLorentzVector)</data4/wilrome
    2  0.00%  100.00%  0x00002b5ca311e230   G4QHadron::G4QHadron(G4QHadron const&)</data4/wilrome/gauss/soft/lhcb/GE
  283  0.00%  99.74%   0x00002b5ca311da10   G4QHadron::G4QHadron(G4QHadron const*)</data4/wilrome/gauss/soft/lhcb/GE
  203  0.00%  99.80%   0x00002b5ca311de20   G4QHadron::G4QHadron(G4QHadron const*)</data4/wilrome/gauss/soft/lhcb/GE
   10  0.00%  99.98%   0x00002b5ca311ea50   G4QHadron::G4QHadron(G4QParticle*, double)</data4/wilrome/gauss/soft/lhc
20578  0.03%  94.77%   0x00002b5ca3121d00   G4QHadron::G4QHadron(int, CLHEP::HepLorentzVector)</data4/wilrome/gauss/
  212  0.00%  99.79%   0x00002b5ca31218b0   G4QHadron::G4QHadron(int, CLHEP::HepLorentzVector)</data4/wilrome/gauss/
   11  0.00%  99.98%   0x00002b5ca311ca10   G4QHadron::RandomizeMass(G4QParticle*, double)</data4/wilrome/gauss/soft
 1710  0.00%  99.08%   0x00002b5ca3118800   G4QHadron::RelDecayIn2(CLHEP::HepLorentzVector&, CLHEP::HepLorentzVector
 7044  0.01%  97.90%   0x00002b5ca311c820   G4QHadron::SetQPDG(G4QPDGCode const&)</data4/wilrome/gauss/soft/lhcb/GEA
 8165  0.01%  97.73%   0x00002b5ca314f410   G4QNucleus::~G4QNucleus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
  406  0.00%  99.66%   0x00002b5ca314fba0   G4QNucleus::CoulBarPenProb(double const&, double const&, int const&, int
 1485  0.00%  99.16%   0x00002b5ca3149980   G4QNucleus::CoulombBarrier(double const&, double const&, double, double)
 2085  0.00%  98.98%   0x00002b5ca31501d0   G4QNucleus::EvaporateBaryon(G4QHadron*, G4QHadron*)</data4/wilrome/gauss
  155  0.00%  99.84%   0x00002b5ca314e5d0   G4QNucleus::G4QNucleus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
  139  0.00%  99.85%   0x00002b5ca314dcd0   G4QNucleus::G4QNucleus(CLHEP::HepLorentzVector, int)</data4/wilrome/gaus
178379  0.27%  70.22%  0x00002b5ca314d170   G4QNucleus::G4QNucleus(G4QContent)</data4/wilrome/gauss/soft/lhcb/GEANT4
  477  0.00%  99.62%   0x00002b5ca314ccd0   G4QNucleus::G4QNucleus(G4QContent, CLHEP::HepLorentzVector)</data4/wilro
  163  0.00%  99.83%   0x00002b5ca314ee30   G4QNucleus::G4QNucleus(G4QNucleus const&)</data4/wilrome/gauss/soft/lhcb
 1439  0.00%  99.18%   0x00002b5ca314dfb0   G4QNucleus::G4QNucleus(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
40714  0.06%  91.46%   0x00002b5ca314e1b0   G4QNucleus::G4QNucleus(int, int, int)</data4/wilrome/gauss/soft/lhcb/GEA
 2147  0.00%  98.96%   0x00002b5ca314baa0   G4QNucleus::InitByPDG(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
 1374  0.00%  99.21%   0x00002b5ca3158980   G4QNucleus::InitCandidateVector(std::vector<G4QCandidate*, std::allocato
  419  0.00%  99.65%   0x00002b5ca3158780   G4QNucleus::operator=(G4QNucleus const&)</data4/wilrome/gauss/soft/lhcb/
17142  0.03%  95.64%   0x00002b5ca3157bf0   G4QNucleus::PrepareCandidates(std::vector<G4QCandidate*, std::allocator<
  402  0.00%  99.66%   0x00002b5ca314af20   G4QNucleus::RandomizeBinom(double, int)</data4/wilrome/gauss/soft/lhcb/G
   86  0.00%  99.89%   0x00002b5ca314c070   G4QNucleus::Reduce(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
   91  0.00%  99.89%   0x00002b5ca3148bb0   G4QNucleus::SetParameters(double, double, double, double, double)</data4
 4100  0.01%  98.47%   0x00002b5ca3148960   G4QNucleus::SetZNSQC(int, int, int)</data4/wilrome/gauss/soft/lhcb/GEANT
  340  0.00%  99.71%   0x00002b5ca3148d80   G4QNucleus::Split2Baryons()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
  483  0.00%  99.62%   0x00002b5ca3149ac0   G4QNucleus::SplitBaryon()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
  476  0.00%  99.62%   0x00002b5ca314b060   G4QNucleus::UpdateClusters(bool)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
   99  0.00%  99.88%   0x00002b5ca315b200   G4QParentCluster::~G4QParentCluster()</data4/wilrome/gauss/soft/lhcb/GEA
  147  0.00%  99.84%   0x00002b5ca315b2b0   G4QParentCluster::G4QParentCluster(int, double)</data4/wilrome/gauss/sof
    1  0.00%  100.00%  0x00002b5ca315bdf0   G4QParticle::~G4QParticle()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
    1  0.00%  100.00%  0x00002b5ca315bf30   G4QParticle::InitDecayVector(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/
 2240  0.00%  98.93%   0x00002b5ca316b700   G4QPDGCode::~G4QPDGCode()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
   35  0.00%  99.94%   0x00002b5ca316d9a0   G4QPDGCode::CalculateNuclMass(int, int, int)</data4/wilrome/gauss/soft/l
58780  0.09%  88.17%   0x00002b5ca316b8a0   G4QPDGCode::ConvertPDGToZNS(int, int&, int&, int&)</data4/wilrome/gauss/
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   151  0.00%  99.84%   0x00002b5ca3171540   G4QPDGCode::G4QPDGCode(bool, int)</data4/wilrome/gauss/soft/lhcb/GEANT4/
   963  0.00%  99.37%   0x00002b5ca316c4f0   G4QPDGCode::G4QPDGCode(G4QContent)</data4/wilrome/gauss/soft/lhcb/GEANT4
  1596  0.00%  99.11%   0x00002b5ca316b6f0   G4QPDGCode::G4QPDGCode(G4QPDGCode const&)</data4/wilrome/gauss/soft/lhcb
 12991  0.02%  96.70%   0x00002b5ca316c610   G4QPDGCode::G4QPDGCode(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
  1085  0.00%  99.31%   0x00002b5ca316c8f0   G4QPDGCode::GetExQContent(int, int) const</data4/wilrome/gauss/soft/lhcb
 15841  0.02%  96.00%   0x00002b5ca3170f90   G4QPDGCode::GetMass()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
 74951  0.12%  85.61%   0x00002b5ca316f2a0   G4QPDGCode::GetNuclMass(int, int, int)</data4/wilrome/gauss/soft/lhcb/GE
   201  0.00%  99.80%   0x00002b5ca3171130   G4QPDGCode::GetNumOfComb(int, int) const</data4/wilrome/gauss/soft/lhcb/
 28510  0.04%  93.09%   0x00002b5ca316ca80   G4QPDGCode::GetQuarkContent() const</data4/wilrome/gauss/soft/lhcb/GEANT
  1392  0.00%  99.20%   0x00002b5ca316c6c0   G4QPDGCode::GetRelCrossIndex(int, int) const</data4/wilrome/gauss/soft/l
     8  0.00%  99.98%   0x00002b5ca316c690   G4QPDGCode::GetWidth()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
   640  0.00%  99.52%   0x00002b5ca3171070   G4QPDGCode::MakePDGCode(int const&)</data4/wilrome/gauss/soft/lhcb/GEANT
 90222  0.14%  83.86%   0x00002b5ca316b9e0   G4QPDGCode::MakeQCode(int const&)</data4/wilrome/gauss/soft/lhcb/GEANT4/
  1553  0.00%  99.13%   0x00002b5ca316b7a0   G4QPDGCode::operator=(G4QPDGCode const&)</data4/wilrome/gauss/soft/lhcb/
  4376  0.01%  98.38%   0x00002b5ca316d770   G4QPDGCode::QHaM(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
   104  0.00%  99.88%   0x00002b5ca3191b10   G4Quasmon::~G4Quasmon()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83
 40842  0.06%  91.40%   0x00002b5ca3192190   G4Quasmon::CalculateHadronizationProbabilities(double, double, CLHEP::He
   340  0.00%  99.71%   0x00002b5ca3190530   G4Quasmon::CalculateNumberOfQPartons(double)</data4/wilrome/gauss/soft/l
   476  0.00%  99.62%   0x00002b5ca319c760   G4Quasmon::CheckGroundState(bool)</data4/wilrome/gauss/soft/lhcb/GEANT4/
     2  0.00%  100.00%  0x00002b5ca3196bd0   G4Quasmon::DecayQHadron(G4QHadron*)</data4/wilrome/gauss/soft/lhcb/GEANT
   225  0.00%  99.78%   0x00002b5ca3198fb0   G4Quasmon::FillHadronVector(G4QHadron*)</data4/wilrome/gauss/soft/lhcb/G
   157  0.00%  99.84%   0x00002b5ca31b65b0   G4Quasmon::Fragment(G4QNucleus&, int)</data4/wilrome/gauss/soft/lhcb/GEA
   154  0.00%  99.84%   0x00002b5ca3191cf0   G4Quasmon::G4Quasmon(G4QContent, CLHEP::HepLorentzVector, CLHEP::HepLore
   138  0.00%  99.85%   0x00002b5ca3195a90   G4Quasmon::G4Quasmon(G4Quasmon*)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
   569  0.00%  99.56%   0x00002b5ca3190830   G4Quasmon::GetQPartonMomentum(double, double)</data4/wilrome/gauss/soft/
  7057  0.01%  97.89%   0x00002b5ca319eb70   G4Quasmon::HadronizeQuasmon(G4QNucleus&, int)</data4/wilrome/gauss/soft/
 14340  0.02%  96.39%   0x00002b5ca3191490   G4Quasmon::ModifyInMatterCandidates()</data4/wilrome/gauss/soft/lhcb/GEA
    90  0.00%  99.89%   0x00002b5ca3190440   G4Quasmon::RandomPoisson(double)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
    99  0.00%  99.88%   0x00002b5ca31902a0   G4Quasmon::SetParameters(double, double, double)</data4/wilrome/gauss/so
  2699  0.00%  98.81%   0x00002b5ca31d03f0   G4ReactionDynamics::AddBlackTrackParticles(double, int, double, int, dou
   886  0.00%  99.40%   0x00002b5ca31cfdb0   G4ReactionDynamics::Defs1(G4ReactionProduct const&, G4ReactionProduct&,
   304  0.00%  99.73%   0x00002b5ca31d03b0   G4ReactionDynamics::Factorial(int)</data4/wilrome/gauss/soft/lhcb/GEANT4
  6974  0.01%  97.93%   0x00002b5ca31d2cc0   G4ReactionDynamics::GenerateNBodyEvent(double, bool, G4FastVector<G4Reac
  5143  0.01%  98.21%   0x00002b5ca31ddc60   G4ReactionDynamics::GenerateXandPt(G4FastVector<G4ReactionProduct, 256>&
   991  0.00%  99.35%   0x00002b5ca31d5570   G4ReactionDynamics::GetFinalStateNucleons(G4DynamicParticle const*, G4Fa
   932  0.00%  99.38%   0x00002b5ca31cf830   G4ReactionDynamics::normal()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
  5800  0.01%  98.12%   0x00002b5ca31d36f0   G4ReactionDynamics::NuclearReaction(G4FastVector<G4ReactionProduct, 4>&,
   860  0.00%  99.41%   0x00002b5ca31d29a0   G4ReactionDynamics::Poisson(double)</data4/wilrome/gauss/soft/lhcb/GEANT
   797  0.00%  99.44%   0x00002b5ca31d13f0   G4ReactionDynamics::ProduceStrangeParticlePairs(G4FastVector<G4ReactionP
  4333  0.01%  98.39%   0x00002b5ca31d5b50   G4ReactionDynamics::Rotate(double, CLHEP::Hep3Vector const&, G4ReactionP
   588  0.00%  99.55%   0x00002b5ca31cf870   G4ReactionDynamics::SuppressChargedPions(G4FastVector<G4ReactionProduct,
  2777  0.00%  98.78%   0x00002b5ca31dc250   G4ReactionDynamics::TwoBody(G4FastVector<G4ReactionProduct, 256>&, int&,
  5278  0.01%  98.19%   0x00002b5ca31d8260   G4ReactionDynamics::TwoCluster(G4FastVector<G4ReactionProduct, 256>&, in
    75  0.00%  99.90%   0x00002b5ca31e6b90   G4ReactionProduct::Angle(G4ReactionProduct const&) const</data4/wilrome/
```

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   4242  0.01%  98.41%   0x00002b5ca31e61e0   G4ReactionProduct::G4ReactionProduct()</data4/wilrome/gauss/soft/lhcb/GE
    266  0.00%  99.75%   0x00002b5ca31e63f0   G4ReactionProduct::G4ReactionProduct(G4ParticleDefinition*)</data4/wilro
    357  0.00%  99.69%   0x00002b5ca31e6110   G4ReactionProduct::G4ReactionProduct(G4ReactionProduct const&)</data4/wi
   3526  0.01%  98.61%   0x00002b5ca31e6a30   G4ReactionProduct::Lorentz(G4ReactionProduct const&, G4ReactionProduct c
    448  0.00%  99.64%   0x00002b5ca31e6610   G4ReactionProduct::operator=(G4DynamicParticle const&)</data4/wilrome/ga
    527  0.00%  99.59%   0x00002b5ca31e6730   G4ReactionProduct::operator=(G4HadProjectile const&)</data4/wilrome/gaus
    282  0.00%  99.74%   0x00002b5ca31e6570   G4ReactionProduct::operator=(G4ReactionProduct const&)</data4/wilrome/ga
    642  0.00%  99.52%   0x00002b5ca31e6800   G4ReactionProduct::SetDefinition(G4ParticleDefinition*)</data4/wilrome/g
    347  0.00%  99.70%   0x00002b5ca31e6840   G4ReactionProduct::SetDefinitionAndUpdateE(G4ParticleDefinition*)</data4
     16  0.00%  99.97%   0x00002b5ca31e69d0   G4ReactionProduct::SetMomentum(double)</data4/wilrome/gauss/soft/lhcb/GE
     27  0.00%  99.95%   0x00002b5ca31e69c0   G4ReactionProduct::SetMomentum(double, double)</data4/wilrome/gauss/soft
   1069  0.00%  99.32%   0x00002b5ca31e61c0   G4ReactionProduct::SetMomentum(double, double, double)</data4/wilrome/ga
    126  0.00%  99.86%   0x00002b5ca31e69e0   G4ReactionProduct::SetZero()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
      1  0.00%  100.00%  0x00002b5c9cacefa0   G4ReduciblePolygon::~G4ReduciblePolygon()</data4/wilrome/gauss/soft/lhcb
      2  0.00%  100.00%  0x00002b5c9cacf4e0   G4ReduciblePolygon::Area()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
      1  0.00%  100.00%  0x00002b5c9cacf440   G4ReduciblePolygon::BisectedBy(double, double, double, double, double)</
      1  0.00%  100.00%  0x00002b5c9cacf2e0   G4ReduciblePolygon::CrossesItself(double)</data4/wilrome/gauss/soft/lhcb
      1  0.00%  100.00%  0x00002b5c9cacf150   G4ReduciblePolygon::RemoveRedundantVertices(double)</data4/wilrome/gauss
   2071  0.00%  98.99%   0x00002b5c9cad68c0   G4Region::BelongsTo(G4VPhysicalVolume*) const</data4/wilrome/gauss/soft/
  11301  0.02%  97.02%   0x00002b5c9cad7af0   G4Region::ScanVolumeTree(G4LogicalVolume*, bool)</data4/wilrome/gauss/so
      1  0.00%  100.00%  0x00002b5c9cad8a50   G4RegionStore::GetInstance()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
    167  0.00%  99.83%   0x00002b5c9c5c3510   G4RToEConvForElectron::BuildRangeVector(G4Material const*, double, doubl
     38  0.00%  99.94%   0x00002b5c9c5c3060   G4RToEConvForElectron::ComputeLoss(double, double) const</data4/wilrome/
    182  0.00%  99.82%   0x00002b5c9c5c40f0   G4RToEConvForGamma::BuildAbsorptionLengthVector(G4Material const*, doubl
      6  0.00%  99.99%   0x00002b5c9c5c3cc0   G4RToEConvForGamma::ComputeCrossSection(double, double) const</data4/wil
      1  0.00%  100.00%  0x00002b5c9c5c45b0   G4RToEConvForGamma::ComputeLoss(double, double) const</data4/wilrome/gau
     44  0.00%  99.93%   0x00002b5c9c5c4d90   G4RToEConvForPositron::BuildRangeVector(G4Material const*, double, doubl
     64  0.00%  99.91%   0x00002b5c9c5c4900   G4RToEConvForPositron::ComputeLoss(double, double) const</data4/wilrome/
      2  0.00%  100.00%  0x00002b5c9bbdefa0   G4RunManager::StackPreviousEvent(G4Event*)</data4/wilrome/gauss/soft/lhc
      1  0.00%  100.00%  0x00002b5c9bbdd8e0   G4RunManagerKernel::BuildPhysicsTables()</data4/wilrome/gauss/soft/lhcb/
  15802  0.02%  96.02%   0x00002b5c9cadc6d0   G4SafetyHelper::ComputeSafety(CLHEP::Hep3Vector const&)</data4/wilrome/g
      1  0.00%  100.00%  0x00002b5c9cadc770   G4SafetyHelper::InitialiseNavigator()</data4/wilrome/gauss/soft/lhcb/GEA
  12982  0.02%  96.72%   0x00002b5c9cadc740   G4SafetyHelper::ReLocateWithinVolume(CLHEP::Hep3Vector const&)</data4/wi
     37  0.00%  99.94%   0x00002b5c9ccf8b80   G4SandiaTable::ComputeMatSandiaMatrix()</data4/wilrome/gauss/soft/lhcb/G
      2  0.00%  100.00%  0x00002b5c9ccf8fd0   G4SandiaTable::G4SandiaTable(G4Material*)</data4/wilrome/gauss/soft/lhcb
      2  0.00%  100.00%  0x00002b5c9ccf7a50   G4SandiaTable::GetIonizationPot(int)</data4/wilrome/gauss/soft/lhcb/GEAN
 473196  0.73%  47.27%   0x00002b5c9ccf7a70   G4SandiaTable::GetSandiaCofPerAtom(int, double)</data4/wilrome/gauss/sof
      7  0.00%  99.99%   0x00002b5c9be67e00   G4SDManager::GetCollectionID(G4String)</data4/wilrome/gauss/soft/lhcb/GE
     11  0.00%  99.98%   0x00002b5c9be68530   G4SDManager::GetSDMpointer()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
      2  0.00%  100.00%  0x00002b5c9be67cc0   G4SDManager::GetSDMpointerIfExist()</data4/wilrome/gauss/soft/lhcb/GEANT
      2  0.00%  100.00%  0x00002b5c9be67df0   G4SDManager::TerminateCurrentEvent(G4HCofThisEvent*)</data4/wilrome/gaus
     16  0.00%  99.97%   0x00002b5c9be6b3d0   G4SDStructure::Initialize(G4HCofThisEvent*)</data4/wilrome/gauss/soft/lh
     13  0.00%  99.97%   0x00002b5c9be6b330   G4SDStructure::Terminate(G4HCofThisEvent*)</data4/wilrome/gauss/soft/lhc
     67  0.00%  99.91%   0x00002b5c9bffaca0   G4SigmaMinus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
     24  0.00%  99.96%   0x00002b5c9bffb5f0   G4SigmaMinus::SigmaMinus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
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    66  0.00%  99.91%   0x00002b5c9bffb670   G4SigmaPlus::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
    24  0.00%  99.96%   0x00002b5c9bffc3c0   G4SigmaPlus::SigmaPlus()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
    26  0.00%  99.95%   0x00002b5c9bffc440   G4SigmaZero::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
    14  0.00%  99.97%   0x00002b5c9bffcda0   G4SigmaZero::SigmaZero()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v8
     2  0.00%  100.00%  0x00002b5ca31ffb30   G4SingleDiffractiveExcitation::ExciteParticipants(G4VSplitableHadron*, G
     1  0.00%  100.00%  0x00002b5ca31fece0   G4SingleDiffractiveExcitation::GaussianPt(double, double) const</data4/w
    94  0.00%  99.89%   0x00002b5c9caddeb0   G4SmartVoxelHeader::~G4SmartVoxelHeader()</data4/wilrome/gauss/soft/lhcb
    17  0.00%  99.97%   0x00002b5c9caddc70   G4SmartVoxelHeader::BuildEquivalentSliceNos()</data4/wilrome/gauss/soft/
   385  0.00%  99.67%   0x00002b5c9cade330   G4SmartVoxelHeader::BuildNodes(G4LogicalVolume*, G4VoxelLimits, std::vec
     3  0.00%  99.99%   0x00002b5c9cadfc00   G4SmartVoxelHeader::BuildVoxels(G4LogicalVolume*)</data4/wilrome/gauss/s
   109  0.00%  99.87%   0x00002b5c9cadf640   G4SmartVoxelHeader::BuildVoxelsWithinLimits(G4LogicalVolume*, G4VoxelLim
    25  0.00%  99.96%   0x00002b5c9cadda40   G4SmartVoxelHeader::CalculateQuality(std::vector<G4SmartVoxelProxy*, std
    17  0.00%  99.97%   0x00002b5c9caddb80   G4SmartVoxelHeader::CollectEquivalentNodes()</data4/wilrome/gauss/soft/l
     1  0.00%  100.00%  0x00002b5c9cadfdd0   G4SmartVoxelHeader::G4SmartVoxelHeader(G4LogicalVolume*, G4VoxelLimits c
    29  0.00%  99.95%   0x00002b5c9cadfea0   G4SmartVoxelHeader::RefineNodes(G4LogicalVolume*, G4VoxelLimits)</data4/
    30  0.00%  99.95%   0x00002b5c9cae1a10   G4SmartVoxelNode::~G4SmartVoxelNode()</data4/wilrome/gauss/soft/lhcb/GEA
    10  0.00%  99.98%   0x00002b5c9cae19b0   G4SmartVoxelNode::operator==(G4SmartVoxelNode const&) const</data4/wilro
     3  0.00%  99.99%   0x00002b5c9cae1a60   G4SmartVoxelProxy::~G4SmartVoxelProxy()</data4/wilrome/gauss/soft/lhcb/G
     8  0.00%  99.98%   0x00002b5c9cae25f0   G4SolidExtentList::AddSurface(G4ClippablePolygon const&)</data4/wilrome/
     1  0.00%  100.00%  0x00002b5c9cae2080   G4SolidExtentList::G4SolidExtentList(EAxis, G4VoxelLimits const&)</data4
     7  0.00%  99.99%   0x00002b5c9cae2d30   G4SolidStore::Clean()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1
     2  0.00%  100.00%  0x00002b5c9cae2a70   G4SolidStore::GetInstance()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
     3  0.00%  99.99%   0x00002b5c9cae2fb0   G4SolidStore::Register(G4VSolid*)</data4/wilrome/gauss/soft/lhcb/GEANT4/
     1  0.00%  100.00%  0x00002b5ca3204df0   G4SPBaryon::G4SPBaryon(G4AntiLambda*)</data4/wilrome/gauss/soft/lhcb/GEA
     1  0.00%  100.00%  0x00002b5ca3203f30   G4SPBaryon::G4SPBaryon(G4AntiSigmaZero*)</data4/wilrome/gauss/soft/lhcb/
    28  0.00%  99.95%   0x00002b5c9caeb320   G4Sphere::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTransform
    28  0.00%  99.95%   0x00002b5c9caeac80   G4Sphere::CreateRotatedVertices(G4AffineTransform const&, int&) const</d
 28684  0.04%  92.96%   0x00002b5c9cae6d60   G4Sphere::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/ga
 74226  0.11%  86.07%   0x00002b5c9cae4c00   G4Sphere::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const
  7896  0.01%  97.75%   0x00002b5c9cae8e50   G4Sphere::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/g
 22868  0.04%  94.54%   0x00002b5c9cae70b0   G4Sphere::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector cons
 56235  0.09%  88.61%   0x00002b5c9cae3560   G4Sphere::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/so
 28907  0.04%  92.78%   0x00002b5c9cae3ee0   G4Sphere::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/g
  4406  0.01%  98.36%   0x00002b5c9bd46270   G4StackedTrack::~G4StackedTrack()</data4/wilrome/gauss/soft/lhcb/GEANT4/
  8812  0.01%  97.61%   0x00002b5c9bd46240   G4StackedTrack::G4StackedTrack(G4Track*, G4VTrajectory*)</data4/wilrome/
 48206  0.07%  90.24%   0x00002b5c9bd47610   G4StackManager::PopNextTrack(G4VTrajectory**)</data4/wilrome/gauss/soft/
     3  0.00%  99.99%   0x00002b5c9bd47120   G4StackManager::PrepareNewEvent()</data4/wilrome/gauss/soft/lhcb/GEANT4/
 26120  0.04%  93.51%   0x00002b5c9bd47480   G4StackManager::PushOneTrack(G4Track*, G4VTrajectory*)</data4/wilrome/ga
     7  0.00%  99.99%   0x00002b5c9c17b910   G4StateManager::GetStateManager()</data4/wilrome/gauss/soft/lhcb/GEANT4/
     7  0.00%  99.99%   0x00002b5c9c17b8a0   G4StateManager::SetNewState(G4ApplicationState)</data4/wilrome/gauss/sof
     1  0.00%  100.00%  0x00002b5c9c17b7e0   G4StateManager::SetNewState(G4ApplicationState, char const*)</data4/wilr
 72157  0.11%  86.86%   0x00002b5c9c2a49e0   G4Step::InitializeStep(G4Track*)</data4/wilrome/gauss/soft/lhcb/GEANT4/G
842385  1.30%  29.28%   0x00002b5c9c2a0d70   G4SteppingManager::DefinePhysicalStepLength()</data4/wilrome/gauss/soft/
 47918  0.07%  90.39%   0x00002b5c9c2a1110   G4SteppingManager::GetProcessNumber()</data4/wilrome/gauss/soft/lhcb/GEA
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376124  0.58%  52.98%   0x00002b5c9c2a1ea0   G4SteppingManager::InvokeAlongStepDoItProcs()</data4/wilrome/gauss/soft/
 13947  0.02%  96.52%   0x00002b5c9c2a2220   G4SteppingManager::InvokeAtRestDoItProcs()</data4/wilrome/gauss/soft/lhc
243454  0.38%  61.88%   0x00002b5c9c2a1d70   G4SteppingManager::InvokePostStepDoItProcs()</data4/wilrome/gauss/soft/l
584977  0.90%  40.68%   0x00002b5c9c2a19f0   G4SteppingManager::InvokePSDIP(unsigned long)</data4/wilrome/gauss/soft/
116862  0.18%  79.35%   0x00002b5c9c2a2a40   G4SteppingManager::SetInitialStep(G4Track*)</data4/wilrome/gauss/soft/lh
605616  0.93%  38.86%   0x00002b5c9c2a3880   G4SteppingManager::Stepping()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
    46  0.00%  99.93%   0x00002b5ca321d3e0   G4StopElementSelector::GetElement(G4Material const*)</data4/wilrome/gaus
    31  0.00%  99.95%   0x00002b5ca321d280   G4StopElementSelector::GetMuonCaptureRate(double, double)</data4/wilrome
     7  0.00%  99.99%   0x00002b5ca321d3a0   G4StopElementSelector::GetMuonDecayRate(double, double)</data4/wilrome/g
 53601  0.08%  88.86%   0x00002b5c9b8ef790   G4String::~G4String()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/S
     1  0.00%  100.00%  0x00002b5c9b8ef710   G4String::~G4String()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/S
     1  0.00%  100.00%  0x00002b5c9d0ecbf0   G4String::G4String()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p
     7  0.00%  99.99%   0x00002b5c9bf9d8a0   G4String::G4String(char const*)</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
     2  0.00%  100.00%  0x00002b5c9d0f7e90   G4String::G4String(G4SubString const&)</data4/wilrome/gauss/soft/lhcb/GE
   115  0.00%  99.87%   0x00002b5c9bbee740   G4String::operator==(char const*) const</data4/wilrome/gauss/soft/lhcb/G
     2  0.00%  100.00%  0x00002b5c9c16ec30   G4strstreambuf::overflow(int)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
     8  0.00%  99.98%   0x00002b5c9caeeeb0   G4SubtractionSolid::CalculateExtent(EAxis, G4VoxelLimits const&, G4Affin
 74764  0.12%  85.72%   0x00002b5c9caef770   G4SubtractionSolid::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/
 48759  0.08%  89.87%   0x00002b5c9caef200   G4SubtractionSolid::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Ve
 45192  0.07%  90.82%   0x00002b5c9caef990   G4SubtractionSolid::DistanceToOut(CLHEP::Hep3Vector const&) const</data4
 24412  0.04%  94.21%   0x00002b5c9caef7f0   G4SubtractionSolid::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3V
388527  0.60%  51.81%   0x00002b5c9caeeed0   G4SubtractionSolid::Inside(CLHEP::Hep3Vector const&) const</data4/wilrom
  4740  0.01%  98.31%   0x00002b5c9caef000   G4SubtractionSolid::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4
   632  0.00%  99.52%   0x00002aaac02ec530   G4THitsCollection<CaloHit>::~G4THitsCollection()</data4/wilrome/gauss/so
    54  0.00%  99.92%   0x00002aaac02faaa0   G4THitsCollection<GaussSensPlaneHit>::~G4THitsCollection()</data4/wilrom
     3  0.00%  100.00%  0x00002aaac02f8d50   G4THitsCollection<GaussSensPlaneHit>::G4THitsCollection(G4String, G4Stri
   246  0.00%  99.77%   0x00002b5ca3b41f30   G4THitsCollection<RichG4Hit>::~G4THitsCollection()</data4/wilrome/gauss/
     5  0.00%  99.99%   0x00002b5ca3b40b20   G4THitsCollection<RichG4Hit>::G4THitsCollection(G4String, G4String)</dat
   334  0.00%  99.71%   0x00002aaac018c790   G4THitsCollection<TrackerHit>::~G4THitsCollection()</data4/wilrome/gauss
     4  0.00%  99.99%   0x00002aaac018b5b0   G4THitsCollection<TrackerHit>::G4THitsCollection(G4String, G4String)</da
     7  0.00%  99.99%   0x00002b5c9bbd9790   G4Tokenizer::operator()(char const*, unsigned long)</data4/wilrome/gauss
 28722  0.04%  92.87%   0x00002b5c9cb04c70   G4TouchableHistory::~G4TouchableHistory()</data4/wilrome/gauss/soft/lhcb
  4209  0.01%  98.43%   0x00002b5c9cb05240   G4TouchableHistory::GetHistory() const</data4/wilrome/gauss/soft/lhcb/GE
   467  0.00%  99.63%   0x00002b5c9cb051e0   G4TouchableHistory::GetHistoryDepth() const</data4/wilrome/gauss/soft/lh
   507  0.00%  99.61%   0x00002b5c9cb05250   G4TouchableHistory::GetReplicaNumber(int) const</data4/wilrome/gauss/sof
    67  0.00%  99.91%   0x00002b5c9cb04ce0   G4TouchableHistory::GetRotation(int) const</data4/wilrome/gauss/soft/lhc
    48  0.00%  99.93%   0x00002b5c9cb04f70   G4TouchableHistory::GetTranslation(int) const</data4/wilrome/gauss/soft/
295795  0.46%  59.46%   0x00002b5c9cb052a0   G4TouchableHistory::GetVolume(int) const</data4/wilrome/gauss/soft/lhcb/
  2015  0.00%  99.00%   0x00002b5c9cb052c0   G4TouchableHistory::UpdateYourself(G4VPhysicalVolume*, G4NavigationHisto
 41261  0.06%  91.21%   0x00002b5c9c87bcf0   G4Track::~G4Track()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1
 33410  0.05%  92.31%   0x00002b5c9c87c330   G4Track::G4Track(G4DynamicParticle*, double, CLHEP::Hep3Vector const&)</
698581  1.08%  34.95%   0x00002b5c9c87c4d0   G4Track::GetVelocity() const</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
183258  0.28%  69.67%   0x00002b5c9c2a94e0   G4TrackingManager::ProcessOneTrack(G4Track*)</data4/wilrome/gauss/soft/l
  5929  0.01%  98.11%   0x00002b5c9c2a9350   G4TrackingManager::SetTrajectory(G4VTrajectory*)</data4/wilrome/gauss/so
 20977  0.03%  94.61%   0x00002b5c9bd481d0   G4TrackStack::GrabFromStack(G4StackedTrack*)</data4/wilrome/gauss/soft/l
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 19701  0.03%  95.05%   0x00002b5c9bd48250   G4TrackStack::PopFromStack()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
 16106  0.02%  95.92%   0x00002b5c9bd48270   G4TrackStack::PushToStack(G4StackedTrack*)</data4/wilrome/gauss/soft/lhc
     2  0.00%  100.00%  0x00002b5c9bd485e0   G4TrajectoryContainer::~G4TrajectoryContainer()</data4/wilrome/gauss/sof
 14775  0.02%  96.25%   0x00002b5c9c2ad9e0   G4TrajectoryPoint::~G4TrajectoryPoint()</data4/wilrome/gauss/soft/lhcb/G
 37661  0.06%  91.88%   0x00002b5c9c2ad840   G4TrajectoryPoint::G4TrajectoryPoint(CLHEP::Hep3Vector)</data4/wilrome/g
 17984  0.03%  95.43%   0x00002b5c9ba9aa10   G4TrajectoryPoint::GetPosition() const</data4/wilrome/gauss/soft/lhcb/GA
541227  0.83%  45.01%   0x00002b5c9c5d51d0   G4Transportation::AlongStepDoIt(G4Track const&, G4Step const&)</data4/wi
551368  0.85%  44.18%   0x00002b5c9c5d30c0   G4Transportation::AlongStepGetPhysicalInteractionLength(G4Track const&,
711690  1.10%  33.88%   0x00002b5c9c5d4200   G4Transportation::PostStepDoIt(G4Track const&, G4Step const&)</data4/wil
 32010  0.05%  92.46%   0x00002b5c9c5d30b0   G4Transportation::PostStepGetPhysicalInteractionLength(G4Track const&, d
 43668  0.07%  90.95%   0x00002b5c9c5d3c10   G4Transportation::StartTracking(G4Track*)</data4/wilrome/gauss/soft/lhcb
 40349  0.06%  91.53%   0x00002b5c9cb077d0   G4TransportationManager::GetTransportationManager()</data4/wilrome/gauss
    14  0.00%  99.97%   0x00002b5c9cb11f90   G4Trap::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTransform c
    26  0.00%  99.95%   0x00002b5c9cb10f30   G4Trap::CreateRotatedVertices(G4AffineTransform const&) const</data4/wil
 13992  0.02%  96.47%   0x00002b5c9cb08a00   G4Trap::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
 18843  0.03%  95.26%   0x00002b5c9cb087d0   G4Trap::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
 10203  0.02%  97.25%   0x00002b5c9cb09480   G4Trap::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
 13106  0.02%  96.68%   0x00002b5c9cb08a80   G4Trap::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&
329843  0.51%  55.61%   0x00002b5c9cb08060   G4Trap::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft
     2  0.00%  100.00%  0x00002b5c9cb0ac60   G4Trap::MakePlane(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&, CL
  3066  0.00%  98.70%   0x00002b5c9cb08290   G4Trap::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
     2  0.00%  100.00%  0x00002b5c9cb16b30   G4Trd::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTransform co
     4  0.00%  99.99%   0x00002b5c9cb15ca0   G4Trd::CreateRotatedVertices(G4AffineTransform const&) const</data4/wilr
  8575  0.01%  97.66%   0x00002b5c9cb14710   G4Trd::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss
  5339  0.01%  98.17%   0x00002b5c9cb14130   G4Trd::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
 17663  0.03%  95.48%   0x00002b5c9cb14f70   G4Trd::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
 14603  0.02%  96.32%   0x00002b5c9cb147f0   G4Trd::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&,
 91221  0.14%  83.72%   0x00002b5c9cb13790   G4Trd::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft/
 11918  0.02%  96.92%   0x00002b5c9cb13c00   G4Trd::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
   567  0.00%  99.57%   0x00002b5c9c0004a0   G4Triton::Definition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r
   165  0.00%  99.83%   0x00002b5c9c0008a0   G4Triton::Triton()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/
     4  0.00%  99.99%   0x00002b5c9c0008b0   G4Triton::TritonDefinition()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT
     2  0.00%  100.00%  0x00002b5ca322a090   G4TritonCoulombBarrier::BarrierPenetrationFactor(double) const</data4/wi
     2  0.00%  100.00%  0x00002b5ca322ab60   G4TritonEvaporationProbability::CCoeficient(double) const</data4/wilrome
    36  0.00%  99.94%   0x00002b5c9cb1e840   G4Tubs::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTransform c
   105  0.00%  99.88%   0x00002b5c9cb1dec0   G4Tubs::CreateRotatedVertices(G4AffineTransform const&) const</data4/wil
112864  0.17%  79.88%   0x00002b5c9cb1b9f0   G4Tubs::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
171262  0.26%  71.29%   0x00002b5c9cb1adf0   G4Tubs::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&)
 10094  0.02%  97.36%   0x00002b5c9cb1c840   G4Tubs::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
 18668  0.03%  95.34%   0x00002b5c9cb1bc30   G4Tubs::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector const&
169834  0.26%  72.34%   0x00002b5c9cb19e40   G4Tubs::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gauss/soft
  6204  0.01%  98.03%   0x00002b5c9cb1a610   G4Tubs::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
 23585  0.04%  94.47%   0x00002b5ca322e5e0   G4UHadronElasticProcess::GetMeanFreePath(G4Track const&, double, G4Force
 25124  0.04%  93.91%   0x00002b5ca322f1a0   G4UHadronElasticProcess::GetMicroscopicCrossSection(G4DynamicParticle co
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  2058  0.00%  98.99%   0x00002b5ca322ea20   G4UHadronElasticProcess::PostStepDoIt(G4Track const&, G4Step const&)</da
     1  0.00%  100.00%  0x00002b5c9d0e1840   G4UIcmdWithABool::G4UIcmdWithABool(char const*, G4UImessenger*)</data4/w
     2  0.00%  100.00%  0x00002b5c9d0e9a80   G4UIcommand::CheckNewValue(char const*)</data4/wilrome/gauss/soft/lhcb/G
     1  0.00%  100.00%  0x00002b5c9d0e5820   G4UIcommand::CompareInt(int, int, int)</data4/wilrome/gauss/soft/lhcb/GE
     9  0.00%  99.98%   0x00002b5c9d0e9b40   G4UIcommand::DoIt(G4String)</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
     1  0.00%  100.00%  0x00002b5c9d0eba30   G4UIcommand::G4UIcommand(char const*, G4UImessenger*)</data4/wilrome/gau
     5  0.00%  99.99%   0x00002b5c9d0e5f10   G4UIcommand::IsAvailable()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_
     1  0.00%  100.00%  0x00002b5c9d0e95b0   G4UIcommand::RangeCheck(char const*)</data4/wilrome/gauss/soft/lhcb/GEAN
     1  0.00%  100.00%  0x00002b5c9bbda0e0   G4UIcommand::SetGuidance(char const*)</data4/wilrome/gauss/soft/lhcb/GEA
     1  0.00%  100.00%  0x00002b5c9d0f0490   G4UIcommandTree::AddNewCommand(G4UIcommand*)</data4/wilrome/gauss/soft/l
    10  0.00%  99.98%   0x00002b5c9d0edec0   G4UIcommandTree::FindPath(char const*)</data4/wilrome/gauss/soft/lhcb/GE
     1  0.00%  100.00%  0x00002b5c9d0efd30   G4UIcommandTree::RemoveCommand(G4UIcommand*)</data4/wilrome/gauss/soft/l
     1  0.00%  100.00%  0x00002b5c9d0f3820   G4UImanager::AddNewCommand(G4UIcommand*)</data4/wilrome/gauss/soft/lhcb/
    18  0.00%  99.97%   0x00002b5c9d0f6710   G4UImanager::ApplyCommand(char const*)</data4/wilrome/gauss/soft/lhcb/GE
     1  0.00%  100.00%  0x00002b5c9d0f6e50   G4UImanager::ApplyCommand(G4String)</data4/wilrome/gauss/soft/lhcb/GEANT
     4  0.00%  99.99%   0x00002b5c9d0f5e40   G4UImanager::GetUIpointer()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4
     7  0.00%  99.99%   0x00002b5c9d0f3970   G4UImanager::Notify(G4ApplicationState)</data4/wilrome/gauss/soft/lhcb/G
     2  0.00%  100.00%  0x00002b5c9d0f40d0   G4UImanager::SolveAlias(char const*)</data4/wilrome/gauss/soft/lhcb/GEAN
     3  0.00%  99.99%   0x00002b5c9d0fd640   G4UIparameter::CheckNewValue(char const*)</data4/wilrome/gauss/soft/lhcb
     1  0.00%  100.00%  0x00002b5c9d0f9850   G4UIparameter::G4UIparameter(char)</data4/wilrome/gauss/soft/lhcb/GEANT4
    13  0.00%  99.97%   0x00002b5c9cb4e7c0   G4UnionSolid::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTrans
  9805  0.02%  97.41%   0x00002b5c9cb4eb80   G4UnionSolid::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilrom
  4789  0.01%  98.30%   0x00002b5c9cb4eb10   G4UnionSolid::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector c
  6806  0.01%  97.96%   0x00002b5c9cb4f200   G4UnionSolid::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilro
 17264  0.03%  95.62%   0x00002b5c9cb4ebe0   G4UnionSolid::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
 33991  0.05%  92.21%   0x00002b5c9cb4e8e0   G4UnionSolid::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gaus
  3291  0.01%  98.67%   0x00002b5c9cb4ea40   G4UnionSolid::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilro
     1  0.00%  100.00%  0x00002b5c9c17dab0   G4UnitDefinition::G4UnitDefinition(G4String const&, G4String const&, G4S
573532  0.88%  42.46%   0x00002b5c9c5d58d0   G4UniversalFluctuation::SampleFluctuations(G4Material const*, G4DynamicP
     1  0.00%  100.00%  0x00002b5c9c5d79f0   G4UrbanMscModel::~G4UrbanMscModel()</data4/wilrome/gauss/soft/lhcb/GEANT
 23739  0.04%  94.40%   0x00002b5c9c5d9150   G4UrbanMscModel::ComputeCrossSectionPerAtom(G4ParticleDefinition const*,
172925  0.27%  70.76%   0x00002b5c9c5d9d30   G4UrbanMscModel::ComputeGeomPathLength(double)</data4/wilrome/gauss/soft
105753  0.16%  80.55%   0x00002b5c9c5d7d00   G4UrbanMscModel::ComputeTheta0(double, double)</data4/wilrome/gauss/soft
162539  0.25%  73.35%   0x00002b5c9c5da6e0   G4UrbanMscModel::ComputeTruePathLengthLimit(G4Track const&, G4PhysicsTab
 45416  0.07%  90.75%   0x00002b5c9c5d7b70   G4UrbanMscModel::ComputeTrueStepLength(double)</data4/wilrome/gauss/soft
 49679  0.08%  89.49%   0x00002b5c9c5d8be0   G4UrbanMscModel::LatCorrelation()</data4/wilrome/gauss/soft/lhcb/GEANT4/
184930  0.28%  69.39%   0x00002b5c9c5d7e80   G4UrbanMscModel::SampleCosineTheta(double, double)</data4/wilrome/gauss/
 82213  0.13%  84.65%   0x00002b5c9c5d89b0   G4UrbanMscModel::SampleDisplacement()</data4/wilrome/gauss/soft/lhcb/GEA
110584  0.17%  80.22%   0x00002b5c9c5d8d50   G4UrbanMscModel::SampleSecondaries(G4MaterialCutsCouple const*, G4Dynami
     4  0.00%  99.99%   0x00002b5c9bbe7110   G4UserPhysicsListMessenger::SetNewValue(G4UIcommand*, G4String)</data4/w
 25009  0.04%  93.95%   0x00002b5c9c490940   G4VContinuousDiscreteProcess::AlongStepGetPhysicalInteractionLength(G4Tr
 99924  0.15%  81.50%   0x00002b5c9c490860   G4VContinuousDiscreteProcess::PostStepGetPhysicalInteractionLength(G4Tra
 24875  0.04%  93.98%   0x00002b5c9c476ea0   G4VContinuousProcess::AlongStepGetPhysicalInteractionLength(G4Track cons
     2  0.00%  100.00%  0x00002b5c9cb4ff70   G4VCSGfaceted::CalculateExtent(EAxis, G4VoxelLimits const&, G4AffineTran
 38417  0.06%  91.71%   0x00002b5c9cb50640   G4VCSGfaceted::DistanceTo(CLHEP::Hep3Vector const&, bool) const</data4/w
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  6161  0.01%  98.06%   0x00002b5c9cb50370   G4VCSGfaceted::DistanceToIn(CLHEP::Hep3Vector const&) const</data4/wilro
 13770  0.02%  96.56%   0x00002b5c9cb501b0   G4VCSGfaceted::DistanceToIn(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
  1710  0.00%  99.09%   0x00002b5c9cb50620   G4VCSGfaceted::DistanceToOut(CLHEP::Hep3Vector const&) const</data4/wilr
  6154  0.01%  98.07%   0x00002b5c9cb50380   G4VCSGfaceted::DistanceToOut(CLHEP::Hep3Vector const&, CLHEP::Hep3Vector
 20960  0.03%  94.67%   0x00002b5c9cb50060   G4VCSGfaceted::Inside(CLHEP::Hep3Vector const&) const</data4/wilrome/gau
  3229  0.00%  98.69%   0x00002b5c9cb500e0   G4VCSGfaceted::SurfaceNormal(CLHEP::Hep3Vector const&) const</data4/wilr
     9  0.00%  99.98%   0x00002b5c9c0011b0   G4VDecayChannel::~G4VDecayChannel()</data4/wilrome/gauss/soft/lhcb/GEANT
     6  0.00%  99.99%   0x00002b5c9c000da0   G4VDecayChannel::ClearDaughtersName()</data4/wilrome/gauss/soft/lhcb/GEA
     2  0.00%  100.00%  0x00002b5c9c002010   G4VDecayChannel::FillDaughters()</data4/wilrome/gauss/soft/lhcb/GEANT4/G
     1  0.00%  100.00%  0x00002b5c9c001f70   G4VDecayChannel::FillParent()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
     2  0.00%  100.00%  0x00002b5c9c001740   G4VDecayChannel::G4VDecayChannel(G4String const&, G4String const&, doubl
237232  0.37%  62.98%   0x00002b5c9c47bae0   G4VDiscreteProcess::PostStepGetPhysicalInteractionLength(G4Track const&,
    10  0.00%  99.98%   0x00002b5c9c469610   G4VEmModel::ComputeDEDX(G4MaterialCutsCouple const*, G4ParticleDefinitio
   305  0.00%  99.73%   0x00002b5c9c469620   G4VEmModel::CrossSection(G4MaterialCutsCouple const*, G4ParticleDefiniti
116490  0.18%  79.53%   0x00002b5c9c5ebae0   G4VEmModel::CrossSectionPerVolume(G4Material const*, G4ParticleDefinitio
     1  0.00%  100.00%  0x00002b5c9c469660   G4VEmModel::DefineForRegion(G4Region const*)</data4/wilrome/gauss/soft/l
     1  0.00%  100.00%  0x00002b5c9c46c590   G4VEmModel::MinEnergyCut(G4ParticleDefinition const*, G4MaterialCutsCoup
     2  0.00%  100.00%  0x00002b5c9c5eebc0   G4VEmProcess::~G4VEmProcess()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
    17  0.00%  99.97%   0x00002b5c9c5ecdd0   G4VEmProcess::FindLambdaMax()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEAN
436580  0.67%  49.35%   0x00002b5c9c47cf90   G4VEmProcess::GetMeanFreePath(G4Track const&, double, G4ForceCondition*)
 47809  0.07%  90.46%   0x00002b5c9c5ed730   G4VEmProcess::PostStepDoIt(G4Track const&, G4Step const&)</data4/wilrome
 12573  0.02%  96.84%   0x00002b5c9c47ce00   G4VEmProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrome/gauss/
    30  0.00%  99.95%   0x00002b5c9c600160   G4VEnergyLossProcess::~G4VEnergyLossProcess()</data4/wilrome/gauss/soft/
217660  0.34%  64.37%   0x00002b5c9c602750   G4VEnergyLossProcess::AlongStepDoIt(G4Track const&, G4Step const&)</data
     4  0.00%  99.99%   0x00002b5c9c5f6a20   G4VEnergyLossProcess::BuildDEDXTable(G4EmTableType)</data4/wilrome/gauss
     1  0.00%  100.00%  0x00002b5c9c5f6690   G4VEnergyLossProcess::BuildLambdaTable(G4EmTableType)</data4/wilrome/gau
     2  0.00%  100.00%  0x00002b5c9c5f9810   G4VEnergyLossProcess::BuildPhysicsTable(G4ParticleDefinition const&)</da
  2257  0.00%  98.92%   0x00002b5c9c495000   G4VEnergyLossProcess::CorrectionsAlongStep(G4MaterialCutsCouple const*,
126434  0.19%  77.86%   0x00002b5c9c495060   G4VEnergyLossProcess::GetContinuousStepLimit(G4Track const&, double, dou
212325  0.33%  66.02%   0x00002b5c9c4954e0   G4VEnergyLossProcess::GetMeanFreePath(G4Track const&, double, G4ForceCon
     3  0.00%  99.99%   0x00002b5c9c5f6230   G4VEnergyLossProcess::LambdaPhysicsVector(G4MaterialCutsCouple const*, d
 85196  0.13%  84.26%   0x00002b5c9c5f9fa0   G4VEnergyLossProcess::PostStepDoIt(G4Track const&, G4Step const&)</data4
     4  0.00%  99.99%   0x00002b5c9c5fbcd0   G4VEnergyLossProcess::PreparePhysicsTable(G4ParticleDefinition const&)</
     1  0.00%  100.00%  0x00002b5c9c5f8dd0   G4VEnergyLossProcess::PrintInfoDefinition()</data4/wilrome/gauss/soft/lh
 24633  0.04%  94.10%   0x00002b5c9c494fb0   G4VEnergyLossProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrom
     2  0.00%  100.00%  0x00002b5c9c5fa5a0   G4VEnergyLossProcess::SetDEDXTable(G4PhysicsTable*, G4EmTableType)</data
   199  0.00%  99.80%   0x00002b5c9c5f9a20   G4VEnergyLossProcess::SetLambdaTable(G4PhysicsTable*)</data4/wilrome/gau
     4  0.00%  99.99%   0x00002b5ca3240050   G4VGammaDeexcitation::DoChain()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
     4  0.00%  99.99%   0x00002b5ca3240190   G4VGammaDeexcitation::DoTransition()</data4/wilrome/gauss/soft/lhcb/GEAN
    17  0.00%  99.97%   0x00002b5ca323f780   G4VGammaDeexcitation::GenerateGamma()</data4/wilrome/gauss/soft/lhcb/GEA
     3  0.00%  99.99%   0x00002b5ca323f5a0   G4VGammaDeexcitation::GetNucleus() const</data4/wilrome/gauss/soft/lhcb/
     3  0.00%  99.99%   0x00002b5ca323f520   G4VGammaDeexcitation::Initialize()</data4/wilrome/gauss/soft/lhcb/GEANT4
     9  0.00%  99.98%   0x00002b5ca323f5b0   G4VGammaDeexcitation::SetNucleus(G4Fragment const&)</data4/wilrome/gauss
     2  0.00%  100.00%  0x00002b5ca323f620   G4VGammaDeexcitation::Update()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
```

```
    10  0.00%  99.98%   0x00002b5ca323fbc0   G4VGammaDeexcitation::UpdateNucleus(G4Fragment const*)</data4/wilrome/ga
    31  0.00%  99.95%   0x00002b5c9be6f730   G4VHit::~G4VHit()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/G
  1385  0.00%  99.20%   0x00002b5c9be6f710   G4VHit::G4VHit()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v83r1p1/Ge
     4  0.00%  99.99%   0x00002b5c9be6f9e0   G4VHitsCollection::~G4VHitsCollection()</data4/wilrome/gauss/soft/lhcb/G
     1  0.00%  100.00%  0x00002b5c9be6fb00   G4VHitsCollection::G4VHitsCollection(G4String, G4String)</data4/wilrome/
    11  0.00%  99.98%   0x00002b5ca3241770   G4VKineticNucleon::~G4VKineticNucleon()</data4/wilrome/gauss/soft/lhcb/G
    10  0.00%  99.98%   0x00002b5ca3241730   G4VKineticNucleon::G4VKineticNucleon()</data4/wilrome/gauss/soft/lhcb/GE
     1  0.00%  100.00%  0x00002b5ca3244dc0   G4VLongitudinalStringDecay::FragmentationMass(G4FragmentingString const*
     9  0.00%  99.98%   0x00002b5c9c610490   G4VMultipleScattering::~G4VMultipleScattering()</data4/wilrome/gauss/sof
 11795  0.02%  96.95%   0x00002b5c9c501bb0   G4VMultipleScattering::AlongStepDoIt(G4Track const&, G4Step const&)</dat
  9795  0.02%  97.42%   0x00002b5c9c501b60   G4VMultipleScattering::AlongStepGetPhysicalInteractionLength(G4Track con
     7  0.00%  99.99%   0x00002b5c9c60f4d0   G4VMultipleScattering::BuildPhysicsTable(G4ParticleDefinition const&)</d
 77408  0.12%  85.26%   0x00002b5c9c501c70   G4VMultipleScattering::GetContinuousStepLimit(G4Track const&, double, do
  8178  0.01%  97.71%   0x00002b5c9c501b50   G4VMultipleScattering::GetMeanFreePath(G4Track const&, double, G4ForceCo
     3  0.00%  99.99%   0x00002b5c9c60e600   G4VMultipleScattering::PhysicsVector(G4MaterialCutsCouple const*)</data4
 16119  0.02%  95.87%   0x00002b5c9c501be0   G4VMultipleScattering::PostStepDoIt(G4Track const&, G4Step const&)</data
     2  0.00%  100.00%  0x00002b5c9c60f1b0   G4VMultipleScattering::PreparePhysicsTable(G4ParticleDefinition const&)<
     7  0.00%  99.99%   0x00002b5ca32465a0   G4VNuclearDensity::~G4VNuclearDensity()</data4/wilrome/gauss/soft/lhcb/G
     4  0.00%  99.99%   0x00002b5ca3246580   G4VNuclearDensity::G4VNuclearDensity()</data4/wilrome/gauss/soft/lhcb/GE
    17  0.00%  99.97%   0x00002b5c9cb524a0   G4VoxelLimits::~G4VoxelLimits()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
    74  0.00%  99.90%   0x00002b5c9cb524b0   G4VoxelLimits::AddLimit(EAxis, double, double)</data4/wilrome/gauss/soft
   734  0.00%  99.47%   0x00002b5c9cb52680   G4VoxelLimits::ClipToLimits(CLHEP::Hep3Vector&, CLHEP::Hep3Vector&) cons
    50  0.00%  99.93%   0x00002b5c9cb52450   G4VoxelLimits::G4VoxelLimits()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
   919  0.00%  99.38%   0x00002b5c9cb52550   G4VoxelLimits::OutCode(CLHEP::Hep3Vector const&) const</data4/wilrome/ga
 45608  0.07%  90.68%   0x00002b5c9cb53500   G4VoxelNavigation::ComputeSafety(CLHEP::Hep3Vector const&, G4NavigationH
1112952  1.71%  26.63%   0x00002b5c9cb53f60   G4VoxelNavigation::ComputeStep(CLHEP::Hep3Vector const&, CLHEP::Hep3Vect
214927  0.33%  65.04%   0x00002b5c9cb53310   G4VoxelNavigation::ComputeVoxelSafety(CLHEP::Hep3Vector const&) const</d
827411  1.27%  30.56%   0x00002b5c9cb52c70   G4VoxelNavigation::LocateNextVoxel(CLHEP::Hep3Vector const&, CLHEP::Hep3
727471  1.12%  31.68%   0x00002b5c9ca8e910   G4VoxelNavigation::VoxelLocate(G4SmartVoxelHeader*, CLHEP::Hep3Vector co
 20789  0.03%  94.74%   0x00002b5c9c87d3f0   G4VParticleChange::AddSecondary(G4Track*)</data4/wilrome/gauss/soft/lhcb
     4  0.00%  99.99%   0x00002b5c9c87cc70   G4VParticleChange::G4VParticleChange()</data4/wilrome/gauss/soft/lhcb/GE
     1  0.00%  100.00%  0x00002b5c9bbead90   G4VPersistencyManager::GetPersistencyManager()</data4/wilrome/gauss/soft
     3  0.00%  99.99%   0x00002b5c9ca7f6f0   G4VPhysicalVolume** std::fill_n<G4VPhysicalVolume**, unsigned long, G4VP
     4  0.00%  99.99%   0x00002b5c9cb55650   G4VPhysicalVolume::~G4VPhysicalVolume()</data4/wilrome/gauss/soft/lhcb/G
    11  0.00%  99.98%   0x00002b5c9cb559c0   G4VPhysicalVolume::G4VPhysicalVolume(CLHEP::HepRotation*, CLHEP::Hep3Vec
 23536  0.04%  94.51%   0x00002b5c9c476e20   G4VProcess::ClearNumberOfInteractionLengthLeft()</data4/wilrome/gauss/so
 42415  0.07%  91.15%   0x00002b5c9c610b20   G4VProcess::EndTracking()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEANT4_v
     1  0.00%  100.00%  0x00002b5c9c610b70   G4VProcess::operator==(G4VProcess const&) const</data4/wilrome/gauss/sof
     2  0.00%  100.00%  0x00002b5c9c476dc0   G4VProcess::PreparePhysicsTable(G4ParticleDefinition const&)</data4/wilr
 19531  0.03%  95.14%   0x00002b5c9c476df0   G4VProcess::ResetNumberOfInteractionLengthLeft()</data4/wilrome/gauss/so
     1  0.00%  100.00%  0x00002b5c9c476e40   G4VProcess::SetProcessManager(G4ProcessManager const*)</data4/wilrome/ga
 80633  0.12%  84.90%   0x00002b5c9c610b00   G4VProcess::StartTracking(G4Track*)</data4/wilrome/gauss/soft/lhcb/GEANT
562528  0.87%  43.33%   0x00002b5c9c610b90   G4VProcess::SubtractNumberOfInteractionLengthLeft(double)</data4/wilrome
     7  0.00%  99.99%   0x00002b5c9c614300   G4VRangeToEnergyConverter::BuildLossTable()</data4/wilrome/gauss/soft/lh
     5  0.00%  99.99%   0x00002b5c9c612850   G4VRangeToEnergyConverter::Convert(double, G4Material const*)</data4/wil
```

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  153  0.00%  99.84%   0x00002b5c9c612260   G4VRangeToEnergyConverter::ConvertCutToKineticEnergy(G4PhysicsLogVector*
19638  0.03%  95.08%   0x00002b5c9c612b90   G4VRangeToEnergyConverter::RangeLogSimpson(int, std::vector<G4Element*,
   11  0.00%  99.98%   0x00002b5c9c616660   G4VRestProcess::AtRestGetPhysicalInteractionLength(G4Track const&, G4For
    1  0.00%  100.00%  0x00002b5c9be71900   G4VSensitiveDetector::EndOfEvent(G4HCofThisEvent*)</data4/wilrome/gauss/
    2  0.00%  100.00%  0x00002b5c9be72490   G4VSensitiveDetector::G4VSensitiveDetector(G4String)</data4/wilrome/gaus
    1  0.00%  100.00%  0x00002b5c9be719d0   G4VSensitiveDetector::GetCollectionID(int)</data4/wilrome/gauss/soft/lhc
  346  0.00%  99.70%   0x00002b5c9cb57a80   G4VSolid::CalculateClippedPolygonExtent(std::vector<CLHEP::Hep3Vector, s
  181  0.00%  99.82%   0x00002b5c9cb57b40   G4VSolid::ClipBetweenSections(std::vector<CLHEP::Hep3Vector, std::alloca
  105  0.00%  99.88%   0x00002b5c9cb581f0   G4VSolid::ClipCrossSection(std::vector<CLHEP::Hep3Vector, std::allocator
  601  0.00%  99.54%   0x00002b5c9cb573f0   G4VSolid::ClipPolygon(std::vector<CLHEP::Hep3Vector, std::allocator<CLHE
 1678  0.00%  99.10%   0x00002b5c9cb570a0   G4VSolid::ClipPolygonToSimpleLimits(std::vector<CLHEP::Hep3Vector, std::
    3  0.00%  99.99%   0x00002b5c9cb56fe0   G4VSolid::G4VSolid(G4String const&)</data4/wilrome/gauss/soft/lhcb/GEANT
12813  0.02%  96.76%   0x00002b5c9c2af570   G4VTrajectory::~G4VTrajectory()</data4/wilrome/gauss/soft/lhcb/GEANT4/GE
14464  0.02%  96.34%   0x00002b5c9c2af550   G4VTrajectory::G4VTrajectory()</data4/wilrome/gauss/soft/lhcb/GEANT4/GEA
16637  0.03%  95.75%   0x00002b5c9c2b0150   G4VTrajectoryPoint::~G4VTrajectoryPoint()</data4/wilrome/gauss/soft/lhcb
25659  0.04%  93.63%   0x00002b5c9c2b0130   G4VTrajectoryPoint::G4VTrajectoryPoint()</data4/wilrome/gauss/soft/lhcb/
    3  0.00%  99.99%   0x00002b5c9bbed2e0   G4VUserPhysicsList::AddProcessManager(G4ParticleDefinition*, G4ProcessMa
    2  0.00%  100.00%  0x00002b5c9bbedc40   G4VUserPhysicsList::BuildPhysicsTable()</data4/wilrome/gauss/soft/lhcb/G
    3  0.00%  99.99%   0x00002b5c9bbec700   G4VUserPhysicsList::BuildPhysicsTable(G4ParticleDefinition*)</data4/wilr
    4  0.00%  99.99%   0x00002b5c9bbee4c0   G4VUserPhysicsList::InitializeProcessManager()</data4/wilrome/gauss/soft
    3  0.00%  99.99%   0x00002b5c9bbec5f0   G4VUserPhysicsList::PreparePhysicsTable(G4ParticleDefinition*)</data4/wi
    4  0.00%  99.99%   0x00002b5c9c002d10   G4VUserPrimaryParticleInformation::~G4VUserPrimaryParticleInformation()<
    4  0.00%  99.99%   0x00002b5c9c002cf0   G4VUserPrimaryParticleInformation::G4VUserPrimaryParticleInformation()</
14314  0.02%  96.41%   0x00002b5c9c87d9a0   G4VUserTrackInformation::~G4VUserTrackInformation()</data4/wilrome/gauss
 9207  0.01%  97.53%   0x00002b5c9c87d980   G4VUserTrackInformation::G4VUserTrackInformation()</data4/wilrome/gauss/
 1009  0.00%  99.34%   0x00002b5c97599d20   Gaudi::Axis::bins() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
 4058  0.01%  98.48%   0x00002b5c97599be0   Gaudi::Axis::coordToIndex(double) const</data4/wilrome/gauss/soft/lhcb/G
  237  0.00%  99.78%   0x00002b5c97599d40   Gaudi::Axis::lowerEdge() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUD
   33  0.00%  99.94%   0x00002b5c97599d30   Gaudi::Axis::upperEdge() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUD
 1793  0.00%  99.06%   0x00002b5c9759a180   Gaudi::Generic1D<AIDA::IHistogram1D, TH1D>::axis() const</data4/wilrome/
 2776  0.00%  98.79%   0x00002b5c97599fe0   Gaudi::Generic1D<AIDA::IHistogram1D, TH1D>::binHeight(int) const</data4/
 3732  0.01%  98.56%   0x00002b5c975a0700   Gaudi::Generic1D<AIDA::IHistogram1D, TH1D>::coordToIndex(double) const</
  721  0.00%  99.48%   0x00002b5c9759a070   Gaudi::Generic1D<AIDA::IHistogram1D, TH1D>::rIndex(int) const</data4/wil
  612  0.00%  99.53%   0x00002b5c97596b10   Gaudi::Histogram1D::fill(double, double)</data4/wilrome/gauss/soft/lhcb/
    1  0.00%  100.00%  0x00002b5c97598650   Gaudi::Histogram1D::Histogram1D()</data4/wilrome/gauss/soft/lhcb/GAUDI/G
    1  0.00%  100.00%  0x00002b5c97597fa0   Gaudi::Histogram1D::Histogram1D(TH1D*)</data4/wilrome/gauss/soft/lhcb/GA
    1  0.00%  100.00%  0x00002b5c97597980   Gaudi::Histogram1D::init(std::string const&, bool)</data4/wilrome/gauss/
    7  0.00%  99.99%   0x00002b5c97596920   Gaudi::Histogram1D::initSums()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUD
   60  0.00%  99.92%   0x00002b5c975a0b70   Gaudi::Histogram2D::fill(double, double, double)</data4/wilrome/gauss/so
   10  0.00%  99.98%   0x00002b5c9a15b1b0   Gaudi::Math::convert(Gaudi::RotationZYX const&, ROOT::Math::Rotation3D&)
    2  0.00%  100.00%  0x00002b5c9752f5e0   Gaudi::Parsers::_NoCaseCmp_::operator()(std::string const&, std::string
    1  0.00%  100.00%  0x00002b5c9752f840   Gaudi::Parsers::Catalogue::addProperty(std::string const&, Gaudi::Parser
    1  0.00%  100.00%  0x00002b5c9752e9c0   Gaudi::Parsers::Catalogue::catalogue() const</data4/wilrome/gauss/soft/l
    1  0.00%  100.00%  0x00002b5c97530cb0   Gaudi::Parsers::Catalogue::fillStream(std::ostream&) const</data4/wilrom
```

```
  2  0.00%  100.00%  0x00002b5c976745b0   Gaudi::Parsers::IdentifierGrammar::definition& boost::spirit::impl::get_
  1  0.00%  100.00%  0x00002b5c9765d2b0   Gaudi::Parsers::IdentifierGrammar::IdentifierGrammar()</data4/wilrome/ga
  1  0.00%  100.00%  0x00002b5c97689120   Gaudi::Parsers::IntGrammar<int>::definition& boost::spirit::impl::get_de
  1  0.00%  100.00%  0x00002b5c96d6a880   Gaudi::Parsers::parse(std::string&, std::string const&)</data4/wilrome/g
  1  0.00%  100.00%  0x00002b5c96e3e4d0   Gaudi::Parsers::parse(std::vector<std::string, std::allocator<std::strin
  1  0.00%  100.00%  0x00002b5c9764bc70   Gaudi::Parsers::Parser::matchAssign(std::string const&, std::string cons
  2  0.00%  100.00%  0x00002b5c9765e200   Gaudi::Parsers::ParserGrammar::definition<boost::spirit::scanner<boost::
  3  0.00%  100.00%  0x00002b5c9765abb0   Gaudi::Parsers::ParserGrammar::matchAssign(std::vector<std::string, std:
  1  0.00%  100.00%  0x00002b5c97653060   Gaudi::Parsers::ParserGrammar::matchValue(boost::tuples::tuple<std::stri
  1  0.00%  100.00%  0x00002b5c976b7670   Gaudi::Parsers::PropertyEntry::addValues(std::vector<std::string, std::a
  1  0.00%  100.00%  0x00002b5c97533aa0   Gaudi::Parsers::PropertyEntry::PropertyEntry(Gaudi::Parsers::PropertyEnt
  1  0.00%  100.00%  0x00002b5c976b6640   Gaudi::Parsers::PropertyEntry::removeEnv()</data4/wilrome/gauss/soft/lhc
  1  0.00%  100.00%  0x00002b5c976b6750   Gaudi::Parsers::PropertyEntry::value() const</data4/wilrome/gauss/soft/l
  3  0.00%  100.00%  0x00002b5c96e3ba30   Gaudi::Parsers::RealGrammar<long double>::definition& boost::spirit::imp
  2  0.00%  100.00%  0x00002b5c9766f940   Gaudi::Parsers::RealUnitsGrammar::definition& boost::spirit::impl::get_d
 55  0.00%  99.92%   0x00002b5c96da55c0   Gaudi::Parsers::SkipperGrammar::definition& boost::spirit::impl::get_def
  5  0.00%  99.99%   0x00002b5c96d767e0   Gaudi::Parsers::StringGrammar::matchString() const</data4/wilrome/gauss/
  6  0.00%  99.99%   0x00002b5c9768d920   Gaudi::Parsers::Utils::readFile(std::string const&, std::string&)</data4
  3  0.00%  100.00%  0x00002b5c9768e840   Gaudi::Parsers::Utils::removeEnvironment(std::string const&)</data4/wilr
  1  0.00%  100.00%  0x00002b5c97652750   Gaudi::Parsers::ValueGrammar::matchBrace(bool) const</data4/wilrome/gaus
  1  0.00%  100.00%  0x00002b5c97654460   Gaudi::Parsers::ValueGrammar::matchVectorValue(std::string) const</data4
 13  0.00%  99.97%   0x00002b5c9a19c170   Gaudi::RotationZYX::Rectify()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v
107  0.00%  99.87%   0x00002b5c99fdd960   Gaudi::Time::Time(long long)</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v2
 14  0.00%  99.97%   0x00002b5c96ce9750   Gaudi::Utils::AlgContext::~AlgContext()</data4/wilrome/gauss/soft/lhcb/G
 15  0.00%  99.97%   0x00002b5c96ce9510   Gaudi::Utils::AlgContext::AlgContext(IAlgContextSvc*, IAlgorithm*)</data
161  0.00%  99.83%   0x00002b5c9a2760d0   Gaudi::Utils::Histos::fill(AIDA::IHistogram1D*, double, double)</data4/w
 24  0.00%  99.96%   0x00002b5c9a276100   Gaudi::Utils::Histos::fill(AIDA::IHistogram2D*, double, double, double)<
  2  0.00%  100.00%  0x00002aaabfefc3f0   GaudiAlg::ID::ID(char const*)</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS
  1  0.00%  100.00%  0x00002b5c9a2b6d00   GaudiAlg::ID::idAsString() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GA
 13  0.00%  99.97%   0x00002b5c9a276fa0   GaudiAlgorithm::contextSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/
 29  0.00%  99.95%   0x00002b5c9a277730   GaudiAlgorithm::sysExecute()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
  1  0.00%  100.00%  0x00002b5c9a27fdc0   GaudiCommon<Algorithm>::~GaudiCommon()</data4/wilrome/gauss/soft/lhcb/GA
  1  0.00%  100.00%  0x00002b5c9a286e80   GaudiCommon<Algorithm>::addToServiceList(IInterface*, std::string const&
  4  0.00%  99.99%   0x00002b5c9a2815b0   GaudiCommon<Algorithm>::Assert(bool, char const*, StatusCode) const</dat
  1  0.00%  100.00%  0x00002b5c9a28f860   GaudiCommon<Algorithm>::finalize()</data4/wilrome/gauss/soft/lhcb/GAUDI/
  8  0.00%  99.98%   0x00002b5c9a27c360   GaudiCommon<Algorithm>::fullTESLocation(std::string const&, bool) const<
  1  0.00%  100.00%  0x00002b5c9a285280   GaudiCommon<Algorithm>::initialize()</data4/wilrome/gauss/soft/lhcb/GAUD
  1  0.00%  100.00%  0x00002b5c9a27ab80   GaudiCommon<Algorithm>::msgLevelHandler(Property&)</data4/wilrome/gauss/
 42  0.00%  99.93%   0x00002b5c9a27a320   GaudiCommon<Algorithm>::msgStream(MSG::Level) const</data4/wilrome/gauss
 40  0.00%  99.94%   0x00002b5c9a281850   GaudiCommon<Algorithm>::put(IDataProviderSvc*, DataObject*, std::string
  1  0.00%  100.00%  0x00002b5c9a2f5530   GaudiCommon<AlgTool>::addToServiceList(IInterface*, std::string const&)
  1  0.00%  100.00%  0x00002b5c9a2f72e0   GaudiCommon<AlgTool>::initGaudiCommonConstructor(IInterface const*)</dat
  2  0.00%  100.00%  0x00002b5c9a2f4920   GaudiCommon<AlgTool>::initialize()</data4/wilrome/gauss/soft/lhcb/GAUDI/
  5  0.00%  99.99%   0x00002b5c9a2ed820   GaudiCommon<AlgTool>::msgStream(MSG::Level) const</data4/wilrome/gauss/s
610  0.00%  99.54%   0x00002b5c9a2ee2b0   GaudiCommon<AlgTool>::Print(std::string const&, StatusCode, MSG::Level)
```

```
    5  0.00%  99.99%   0x00002b5c9a2ee530   GaudiCommon<AlgTool>::printStat(MSG::Level) const</data4/wilrome/gauss/s
    1  0.00%  100.00%  0x00002b5c9a2f47b0   GaudiCommon<AlgTool>::release(IInterface const*) const</data4/wilrome/ga
    2  0.00%  100.00%  0x00002b5c9a2f3a30   GaudiCommon<AlgTool>::releaseSvc(IInterface const*) const</data4/wilrome
  916  0.00%  99.39%   0x00002b5c9a2f30d0   GaudiCommon<AlgTool>::Warning(std::string const&, StatusCode, unsigned l
 2970  0.00%  98.73%   0x00002b5c9a2a3980   GaudiHistos<GaudiAlgorithm>::plot1D(double, GaudiAlg::ID const&, std::st
 1023  0.00%  99.33%   0x00002b5c9a2a9210   GaudiHistos<GaudiAlgorithm>::plot2D(double, double, GaudiAlg::ID const&,
    1  0.00%  100.00%  0x00002b5c9a2c1900   GaudiHistos<GaudiTool>::monitorHisto(AIDA::IBaseHistogram const*, GaudiA
    1  0.00%  100.00%  0x00002b5c9a2beea0   GaudiHistoTool::GaudiHistoTool(std::string const&, std::string const&, I
   33  0.00%  99.94%   0x00002b5c9a90e970   GaudiPoolDb::patchStreamers(MsgStream&)</data4/wilrome/gauss/soft/lhcb/G
    1  0.00%  100.00%  0x00002b5c9a2ddb90   GaudiSequencer::decodeNames()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI
   34  0.00%  99.94%   0x00002b5c9a2dd310   GaudiSequencer::execute()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
    1  0.00%  100.00%  0x00002b5c9a2dd0e0   GaudiSequencer::finalize()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v1
    1  0.00%  100.00%  0x00002b5c9a2e05d0   GaudiSequencer::GaudiSequencer(std::string const&, ISvcLocator*)</data4/
    1  0.00%  100.00%  0x00002b5c9a2df8d0   GaudiSequencer::initialize()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
   22  0.00%  99.96%   0x00002b5c9a2dca20   GaudiSequencer::resetExecuted()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
    3  0.00%  99.99%   0x00002b5c9a2e7030   GaudiTool::~GaudiTool()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r5
    2  0.00%  100.00%  0x00002b5c9a2e92a0   GaudiTool::chronoSvc() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
    1  0.00%  100.00%  0x00002b5c9a2eb920   GaudiTool::GaudiTool(std::string const&, std::string const&, IInterface
   58  0.00%  99.92%   0x00002aaac1a08130   GaudiUtils::Hash<std::string>::operator()(std::string const&) const</dat
    1  0.00%  100.00%  0x00002b5c9a2bd250   GaudiUtils::HashMap<std::string, AIDA::IHistogram2D*, GaudiUtils::Hash<s
    6  0.00%  99.99%   0x00002b5ca45893b0   GaudiUtils::Map<std::string, BasicParam*, std::map<std::string, BasicPar
    1  0.00%  100.00%  0x00002b5ca4589040   GaudiUtils::Map<std::string, BasicParam*, std::map<std::string, BasicPar
    1  0.00%  100.00%  0x00002b5ca22400b0   GaussEventActionHepMC::BeginOfEventAction(G4Event const*)</data4/wilrome
    1  0.00%  100.00%  0x00002b5ca22408b0   GaussEventActionHepMC::EndOfEventAction(G4Event const*)</data4/wilrome/g
  845  0.00%  99.42%   0x00002b5ca2242f70   GaussG4UserLimits::GetCut(G4Track const&, std::map<int, double, std::les
  456  0.00%  99.64%   0x00002b5ca2243070   GaussG4UserLimits::GetUserMinEkine(G4Track const&)</data4/wilrome/gauss/
   25  0.00%  99.96%   0x00002aaabfeba5d0   GaussGenUtil::lifetime(HepMC::GenParticle const*)</data4/wilrome/gauss/s
170752  0.26%  71.56%   0x00002b5ca2244ba0   GaussPostTrackAction::PostUserTrackingAction(G4Track const*)</data4/wilr
15537  0.02%  96.07%   0x00002b5ca2244a90   GaussPostTrackAction::PreUserTrackingAction(G4Track const*)</data4/wilro
  328  0.00%  99.72%   0x00002b5ca224ea90   GaussPreTrackAction::PostUserTrackingAction(G4Track const*)</data4/wilro
33297  0.05%  92.41%   0x00002b5ca224d870   GaussPreTrackAction::PreUserTrackingAction(G4Track const*)</data4/wilrom
    3  0.00%  100.00%  0x00002aaac02f4670   GaussSensPlaneDet::EndOfEvent(G4HCofThisEvent*)</data4/wilrome/gauss/sof
    7  0.00%  99.99%   0x00002aaac02f4be0   GaussSensPlaneDet::Initialize(G4HCofThisEvent*)</data4/wilrome/gauss/sof
 1122  0.00%  99.30%   0x00002aaac02f57c0   GaussSensPlaneDet::ProcessHits(G4Step*, G4TouchableHistory*)</data4/wilr
    9  0.00%  99.98%   0x00002aaac02fad90   GaussSensPlaneHit::~GaussSensPlaneHit()</data4/wilrome/gauss/soft/lhcb/G
  113  0.00%  99.87%   0x00002aaac02fae30   GaussSensPlaneHit::GaussSensPlaneHit(int const&, LHCb::ParticleID const&
    5  0.00%  99.99%   0x00002aaac02fac50   GaussSensPlaneHit::operator delete(void*)</data4/wilrome/gauss/soft/lhcb
  325  0.00%  99.72%   0x00002aaac02fac10   GaussSensPlaneHit::operator new(unsigned long)</data4/wilrome/gauss/soft
81855  0.13%  84.77%   0x00002b5ca224f2d0   GaussStepAction::UserSteppingAction(G4Step const*)</data4/wilrome/gauss/
25580  0.04%  93.67%   0x00002b5ca226e6d0   GaussTrackActionHepMC::PostUserTrackingAction(G4Track const*)</data4/wil
57687  0.09%  88.35%   0x00002b5ca226dee0   GaussTrackActionHepMC::PreUserTrackingAction(G4Track const*)</data4/wilr
  266  0.00%  99.76%   0x00002b5ca226e120   GaussTrackActionHepMC::processID(G4VProcess const*)</data4/wilrome/gauss
17429  0.03%  95.56%   0x00002b5ca245a650   GaussTrackInformation::~GaussTrackInformation()</data4/wilrome/gauss/sof
17073  0.03%  95.69%   0x00002b5ca245a7e0   GaussTrackInformation::GaussTrackInformation()</data4/wilrome/gauss/soft
```

```
 10101  0.02%  97.33%   0x00002b5ca245a630   GaussTrackInformation::operator delete(void*)</data4/wilrome/gauss/soft/
 25189  0.04%  93.87%   0x00002b5ca245a5f0   GaussTrackInformation::operator new(unsigned long)</data4/wilrome/gauss/
 10175  0.02%  97.27%   0x00002b5ca245ad60   GaussTrajectory::~GaussTrajectory()</data4/wilrome/gauss/soft/lhcb/GAUSS
163570  0.25%  73.10%   0x00002b5ca245ae20   GaussTrajectory::AppendStep(G4Step const*)</data4/wilrome/gauss/soft/lhc
  8799  0.01%  97.62%   0x00002b5ca245ac60   GaussTrajectory::GaussTrajectory(G4Track const*)</data4/wilrome/gauss/so
 13140  0.02%  96.66%   0x00002b5ca245ad40   GaussTrajectory::operator delete(void*)</data4/wilrome/gauss/soft/lhcb/G
 14610  0.02%  96.30%   0x00002b5ca245ad00   GaussTrajectory::operator new(unsigned long)</data4/wilrome/gauss/soft/l
   113  0.00%  99.87%   0x00002b5ca4f9eb90   generateColumnNames</data4/wilrome/gauss/soft/lcg/external/sqlite/3.4.0/
    24  0.00%  99.96%   0x00002aaaab312910   Generation::decayEvent(LHCb::HepMCEvent*)</data4/wilrome/gauss/soft/lhcb
    10  0.00%  99.98%   0x00002aaaab312ca0   Generation::execute()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/G
    28  0.00%  99.95%   0x00002aaaab312610   Generation::updateInteractionCounters(boost::array<unsigned int, 7ul>&,
   141  0.00%  99.85%   0x00002aaac0053b60   GeneratorToG4::execute()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
   140  0.00%  99.85%   0x00002aaac00535d0   GeneratorToG4::makeG4Particle(HepMC::GenParticle*, LHCb::HepMCEvent*)</d
    23  0.00%  99.96%   0x00002b5c9754f040   GenericAddress::~GenericAddress()</data4/wilrome/gauss/soft/lhcb/GAUDI/G
     7  0.00%  99.99%   0x00002b5c9754d230   GenericAddress::addRef()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19r
     3  0.00%  100.00%  0x00002b5c9754d290   GenericAddress::clID() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
    10  0.00%  99.98%   0x00002b5c9754d2c0   GenericAddress::ipar() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_
    20  0.00%  99.96%   0x00002b5c9754d2b0   GenericAddress::par() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v
     3  0.00%  100.00%  0x00002b5c9754d270   GenericAddress::registry() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GA
     1  0.00%  100.00%  0x00002b5c9754d240   GenericAddress::release()</data4/wilrome/gauss/soft/lhcb/GAUDI/GAUDI_v19
     4  0.00%  99.99%   0x00002b5c9754d280   GenericAddress::setRegistry(IRegistry*)</data4/wilrome/gauss/soft/lhcb/G
    15  0.00%  99.97%   0x00002b5c9754d2a0   GenericAddress::svcType() const</data4/wilrome/gauss/soft/lhcb/GAUDI/GAU
     1  0.00%  100.00%  0x00002aaaab0ff000   GenInit::execute()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r5/Sim/
   183  0.00%  99.81%   0x00002aaabfee10f0   GenMonitorAlg::execute()</data4/wilrome/gauss/soft/lhcb/GAUSS/GAUSS_v30r
    17  0.00%  99.97%   0x00002b5c9a16d160   GeoInfo::createGeometryInfo(IDetectorElement*, std::string const&, std::
    46  0.00%  99.93%   0x00002b5c9a177f10   GeometryInfoPlus::~GeometryInfoPlus()</data4/wilrome/gauss/soft/lhcb/LHC
     9  0.00%  99.98%   0x00002b5c9a172710   GeometryInfoPlus::accumulateMatrices(std::vector<IPVolume const*, std::a
    11  0.00%  99.98%   0x00002b5c9a179b80   GeometryInfoPlus::cache()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_v23r1
    24  0.00%  99.96%   0x00002b5c9a16fc50   GeometryInfoPlus::calculateFullMatrices(__gnu_cxx::__normal_iterator<ROO
    31  0.00%  99.95%   0x00002b5c9a16f950   GeometryInfoPlus::calculateIdealMatrix(__gnu_cxx::__normal_iterator<ROOT
   202  0.00%  99.80%   0x00002b5c9a1791b0   GeometryInfoPlus::calculateMatrices()</data4/wilrome/gauss/soft/lhcb/LHC
    68  0.00%  99.91%   0x00002b5c9a175fd0   GeometryInfoPlus::clearMatrices()</data4/wilrome/gauss/soft/lhcb/LHCB/LH
    15  0.00%  99.97%   0x00002b5c9a170480   GeometryInfoPlus::combineMatrices(__gnu_cxx::__normal_iterator<ROOT::Mat
    32  0.00%  99.95%   0x00002b5c9a170500   GeometryInfoPlus::findLogical() const</data4/wilrome/gauss/soft/lhcb/LHC
    37  0.00%  99.94%   0x00002b5c9a171120   GeometryInfoPlus::geoByName(std::string const&) const</data4/wilrome/gau
    37  0.00%  99.94%   0x00002b5c9a172950   GeometryInfoPlus::GeometryInfoPlus(IDetectorElement*, std::string const&
    36  0.00%  99.94%   0x00002b5c9a171da0   GeometryInfoPlus::getAlignmentCondition()</data4/wilrome/gauss/soft/lhcb
   306  0.00%  99.73%   0x00002b5c9a16ec70   GeometryInfoPlus::hasLVolume() const</data4/wilrome/gauss/soft/lhcb/LHCB
    24  0.00%  99.96%   0x00002b5c9a16ec80   GeometryInfoPlus::hasSupport() const</data4/wilrome/gauss/soft/lhcb/LHCB
    34  0.00%  99.94%   0x00002b5c9a172470   GeometryInfoPlus::initialize()</data4/wilrome/gauss/soft/lhcb/LHCB/LHCB_
   923  0.00%  99.38%   0x00002b5c9a17a460   GeometryInfoPlus::isInside(ROOT::Math::PositionVector3D<ROOT::Math::Cart
   680  0.00%  99.50%   0x00002b5c9a170a90   GeometryInfoPlus::lvolume() const</data4/wilrome/gauss/soft/lhcb/LHCB/LH
    36  0.00%  99.94%   0x00002b5c9a17ad30   GeometryInfoPlus::lvolumeName() const</data4/wilrome/gauss/soft/lhcb/LHC
    73  0.00%  99.90%   0x00002b5c9a175a30   GeometryInfoPlus::ownToLocalMatrixNominal() const</data4/wilrome/gauss/s
    28  0.00%  99.95%   0x00002b5c9a16ee00   GeometryInfoPlus::ownToNominalMatrix() const</data4/wilrome/gauss/soft/l
```

```
  22  0.00%  99.96%   0x00002b5c9a171ca0   GeometryInfoPlus::registerCondition()</data4/wilrome/gauss/soft/lhcb/LHC
  31  0.00%  99.95%   0x00002b5c9a171aa0   GeometryInfoPlus::registerSupportGI()</data4/wilrome/gauss/soft/lhcb/LHC
  95  0.00%  99.89%   0x00002b5c9a171850   GeometryInfoPlus::supportIGeometryInfo() const</data4/wilrome/gauss/soft
  29  0.00%  99.95%   0x00002b5c9a1768d0   GeometryInfoPlus::supportPath() const</data4/wilrome/gauss/soft/lhcb/LHC
 152  0.00%  99.84%   0x00002b5c9a16f1d0   GeometryInfoPlus::toGlobal(ROOT::Math::PositionVector3D<ROOT::Math::Cart
  39  0.00%  99.94%   0x00002b5c9a16ecb0   GeometryInfoPlus::toGlobalMatrix() const</data4/wilrome/gauss/soft/lhcb/
 601  0.00%  99.54%   0x00002b5c9a16f210   GeometryInfoPlus::toLocal(ROOT::Math::PositionVector3D<ROOT::Math::Carte
 450  0.00%  99.64%   0x00002b5c9a16eca0   GeometryInfoPlus::toLocalMatrix() const</data4/wilrome/gauss/soft/lhcb/L
   1  0.00%  100.00%  0x00000030612f5500   get_mapping</lib64/tls/libc-2.3.4.so>
```