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Subject: Event Dsisplay

Posted by [Anonymous Poster](#) on Sun, 15 Mar 2009 17:59:10 GMT

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Hi,

I am looking for some way to do an event visualization. I remember that there has been something implemented in PANDAROOT. Can anybody give me a hint on how to run an example? I tried, but the macro run/run\_sim\_vis.C, but that crashed with the following output. Does anybody have an idea?

Thanks, Christian

detector I/Os: FairGenericParlo

```
**** GTRIGI: IEVENT= 1 IDEVT= 1 Random Seeds = 4357 0
```

```
FairMCApplication::GeneratePrimaries()
```

```
-I FairPrimaryGenerator: 5 primary tracks from vertex (0, 0, 0)Event Time = 0(ns)
```

```
*** GTRACK *** More than 10000 steps, tracking abandoned!
```

```
=====> TRACK 1 STACK NR 0 NTMULT= 5 GAMMA TOFG =
```

```
12.131 NS
```

```
 X Y Z R NAME NUMBER SLENG STEP DESTEP GEKIN
```

```
MECHANISMS
```

```
-34.5252 -13.1284 258.9147 36.9371 cave 1 22.7774 0.0003 0.0 eV 6.706
```

```
MeV NEXT STOP
```

```
IEVENT 1 IDEVT 1 Random Seeds 4357 0 Time of flight 12.131 ns
```

```
*** Break *** segmentation violation
```

```
Using host libthread_db library "/lib/tls/i686/cmov/libthread_db.so.1".
```

```
Attaching to program: /proc/18256/exe, process 18256
```

```
[Thread debugging using libthread_db enabled]
```

```
[New Thread -1228154656 (LWP 18256)]
```

```
0xffffe410 in __kernel_vsyscall ()
```

```
#1 0xb6d7a2f3 in waitpid () from /lib/tls/i686/cmov/libc.so.6
```

```
#2 0xb6d22669 in strtold_l () from /lib/tls/i686/cmov/libc.so.6
```

```
#3 0xb6e29add in system () from /lib/tls/i686/cmov/libpthread.so.0
```

```
#4 0xb7a514f9 in TUnixSystem::Exec (this=0x80dd5f0,
```

```
#5 0xb7a50a17 in TUnixSystem::StackTrace (this=0x80dd5f0)
```

```
at core/unix/src/TUnixSystem.cxx:2121
```

```
#6 0xb7a53986 in TUnixSystem::DispatchSignals (this=0x80dd5f0,  
sig=kSigSegmentationViolation) at core/unix/src/TUnixSystem.cxx:1089
```

```
#7 0xb7a53ab3 in SigHandler (sig=kSigSegmentationViolation)
```

```
at core/unix/src/TUnixSystem.cxx:351
```

```
#8 0xb7a4a100 in sighandler (sig=11) at core/unix/src/TUnixSystem.cxx:3344
```

```
#9 <signal handler called>
```

```
#10 0xb6870fcb in TGeoNavigator::FindNextDaughterBoundary (this=0x87346c0,  
point=0xbffa49c0, dir=0xbffa49a8, idaughter=@0xbffa49a4, compmatrix=false)  
at geom/geom/src/TGeoNavigator.cxx:905
```

```
#11 0xb68760d5 in TGeoNavigator::FindNextBoundary (this=0x87346c0,  
stepmax=16361.9052734375, path=0xade68500 "", frombdr=false)  
at geom/geom/src/TGeoNavigator.cxx:613
```

```

#12 0xb68541b5 in TGeoManager::FindNextBoundary (this=0x84c5e20,
    stepmax=16361.9052734375, path=0xade68500 "", frombdr=false)
    at geom/geom/src/TGeoManager.cxx:2295
#13 0xaddf2cb3 in gtnextTGeo () at TGeant3/TGeant3TGeo.cxx:2285
#14 0xadde1fce in gtnext_ () at TGeant3/TGeant3.cxx:6581
#15 0xadc597f7 in g3tneut_ () at gtrak/gtneut.F:125
#16 0xadc60723 in g3track_ () at gtrak/gtrack.F:251
#17 0xaddf157a in gutrak_ () at TGeant3/TGeant3gu.cxx:555
#18 0xadc61ab6 in gtreveroot_ () at gtrak/gtreveroot.F:168
#19 0xaddf1547 in gutrev_ () at TGeant3/TGeant3gu.cxx:575
#20 0xadd7901 in jumpt0_ (iadr=0xadf08fa0) at minicern/jumptn.c:74
#21 0xad328b8 in g3trig_ () at gbase/gtrig.F:62
#22 0xaddea25d in TGeant3::Gtrig (this=0x8900888) at TGeant3/TGeant3.cxx:3153
#23 0xadde1e3e in TGeant3::ProcessEvent (this=0x8900888)
    at TGeant3/TGeant3.cxx:6256
#24 0xadde43a9 in TGeant3::ProcessRun (this=0x8900888, nevent=10)
    at TGeant3/TGeant3.cxx:6226
#25 0xb42d919f in FairMCApplication::RunMC (this=0x873b920, nofEvents=10)
    at /afs/e18.ph.tum.de/panda/SIM/hoepfner/trunk/base/FairMCApplication.cxx:2 28
#26 0xb42ed96f in FairRunSim::Run (this=0x869efe8, NStart=10, NStop=0)
    at /afs/e18.ph.tum.de/panda/SIM/hoepfner/trunk/base/FairRunSim.cxx:289
#27 0xb4330284 in G__FairDict_532_0_5 (result7=0xbffac808,
    funcname=0x8695ec8 "\001", libp=0xbffa63c4, hash=0)
    at /afs/e18.ph.tum.de/panda/SIM/hoepfner/trunkBuild/base/FairDict.cxx:9292
#28 0xb714902a in Cint::G__ExceptionWrapper (
    funcp=0xb433019a <G__FairDict_532_0_5>, result7=0xbffac808,
    funcname=0x8695ec8 "\001", libp=0xbffa63c4, hash=0)
    at cint/cint/src/Api.cxx:364
#29 0xb7211817 in G__execute_call (result7=0xbffac808, libp=0xbffa63c4,
    ifunc=0x8695ec8, ifn=0) at cint/cint/src/newlink.cxx:2305
#30 0xb7216db4 in G__call_cppfunc (result7=0xbffac808, libp=0xbffa63c4,
    ifunc=0x8695ec8, ifn=0) at cint/cint/src/newlink.cxx:2471
#31 0xb71d77e4 in G__interpret_func (result7=0xbffac808,
    funcname=0xbffac208 "Run", libp=0xbffa63c4, hash=309, p_ifunc=0x8695ec8,
    funcmatch=1, memfunc_flag=1) at cint/cint/src/ifunc.cxx:5245
#32 0xb71c77f5 in G__getfunction (item=0xbffb12c6 "Run(nEvents)",
    known3=0xbffaf4cc, memfunc_flag=1) at cint/cint/src/func.cxx:2534
#33 0xb72b23fa in G__getstructmem (store_var_type=112,
    varname=0xbffae6ec "\001", membername=0xbffb12c6 "Run(nEvents)",
    tagname=0xbffae8ec "fRun", known2=0xbffaf4cc, varglobal=0xb736ae00,
    objptr=2) at cint/cint/src/var.cxx:6623
#34 0xb72a42fc in G__getvariable (item=0xbffb12c0 "fRun->Run(nEvents)",
    known=0xbffaf4cc, varglobal=0xb736ae00, varlocal=0x0)
    at cint/cint/src/var.cxx:5252
#35 0xb71a2ad2 in G__getitem (item=0xbffb12c0 "fRun->Run(nEvents)")
    at cint/cint/src/expr.cxx:1884
#36 0xb71b0413 in G__getexpr (expression=0xbffb1968 "fRun->Run(nEvents)")
    at cint/cint/src/expr.cxx:1470
#37 0xb72282a8 in G__exec_function (statement=0xbffb1968 "fRun->Run(nEvents)",
    pc=0xbffb205c, piout=0xbffb2058, plargestep=0xbffb2050, preresult=0xbffb2008)
    at cint/cint/src/parse.cxx:601
#38 0xb722d44e in G__exec_statement (mparen=0xbffb9318)

```

```
at cint/cint/src/parse.cxx:6972
#39 0xb718d63f in G__exec_tempfile_core (
  file=0xbffbb414 "/afs/e18/panda/SIM/hoepner/.trunk/macro/run/run_sim_vis.C", fp=0x0) at
cint/cint/src/debug.cxx:251
#40 0xb718d889 in G__exec_tempfile (
  file=0xbffbb414 "/afs/e18/panda/SIM/hoepner/.trunk/macro/run/run_sim_vis.C") at
cint/cint/src/debug.cxx:798
#41 0xb723dd00 in G__process_cmd (line=0xb7edd443 "]", prompt=0x80dff54 "",
  more=0x80dff4c, err=0xbffbc2f4, rslt=0xbffbc2c0)
  at cint/cint/src/pause.cxx:3074
#42 0xb7a3cb5a in TCint::ProcessLine (this=0x80dff30, line=0xb7edd443 "]",
  error=0xbffbea8c) at core/meta/src/TCint.cxx:339
#43 0xb7a3459f in TCint::ProcessLineSynch (this=0x80dff30,
  line=0xb7edd443 "]", error=0xbffbea8c) at core/meta/src/TCint.cxx:406
#44 0xb7947474 in TApplication::ExecuteFile (
  file=0xbffbca51 "trunk/macro/run/run_sim_vis.C", error=0xbffbea8c)
  at core/base/src/TApplication.cxx:936
#45 0xb7947646 in TApplication::ProcessFile (this=0x8100ff8,
  file=0xbffbca51 "trunk/macro/run/run_sim_vis.C", error=0xbffbea8c)
  at core/base/src/TApplication.cxx:825
#46 0xb7949c3f in TApplication::ProcessLine (this=0x8100ff8,
  line=0xbffbca4e ".x trunk/macro/run/run_sim_vis.C", sync=false,
  err=0xbffbea8c) at core/base/src/TApplication.cxx:798
#47 0xb6f69835 in TRint::Run (this=0x8100ff8, retrn=false)
  at core/rint/src/TRint.cxx:355
#48 0x08048e09 in main (argc=1, argv=0xbffbeb94) at main/src/rmain.cxx:29
Root >
```

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