
Subject: Re: Meaning of Core dump due to Geane application at rec. part
Posted by [donghee](#) on Fri, 27 May 2011 10:00:36 GMT

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Hallo Stefano,

I'm testing the pandaroot may11 version with some modification(enc mode).

Few sim and digi file are produced with 1000 events at PBS system.
and then I'm going to reco part. I'm using quite standard code.
I have some crash due to geane application before initialization of pndlheHitmaker.

Quote:

-I- PndLheHitsMaker::Init (this must to be appeared when reco macro works.)

Instead of sucessful I have now below error and go out of program.

Quote:

```
[FATAL ] Initialization of Task Geane Application failed fatally  
[FATAL ] We stop the execution of the process at this point.  
[FATAL ] For later analysis we write a core dump to core_dump_17535
```

But if I try same thing in my local machine, reco part doesn't show any error.

So, I assume that PANDArOOT itself doesn't have any problem, since some files can also be run without such kind of error message. Only part of files are related with those problem.

If I know the meaning of above part, I can get some feeling where should be wrong in my farm machine.

cheers, donghee

Quote:

```
>./submit_test_submit_rec_99.sh  
Processing /home/kang/GSI/pandaroot/macro/dvcs/run/enc_gendvcs_dvcs/My_enc_dvcs_rec  
.C( "test_submit/Panda_event_2_1_99", 100)...  
Add file name :  
/home/kang/GSI/pandaroot/macro/dvcs/data/test_submit/Panda_event_2_1_99_sim.root  
Add file name :
```

/home/kang/GSI/pandaroot/macro/dvcs/data/test_submit/Panda_event_2_1_99_dig.root
FairGeane!!!
Info in (PndGeoHandling::Instance): Making a new instance using the framework.
Before Hit maker!!!
Before finder!!!
Before fitter!!!
Before kalman!!!
Before kalman!!!

[INFO] The input consists out of the following trees and files:
[INFO] - cbmsim
[INFO] - /home/kang/GSI/pandaroot/macro/dvcs/data/test_submit/Panda_event_2_1_99_sim.root
[INFO] - FriendTree_1
[INFO] - /home/kang/GSI/pandaroot/macro/dvcs/data/test_submit/Panda_event_2_1_99_dig.root
[INFO] Geometry was not found in the input file we will look in the friends if any!
[INFO] The number of entries in chain is 1000

initialisation for run id 600012391

Info in <TGeoManager::TGeoManager>: Geometry Geometry, default geometry created
Warning in <TGeoManager::Init>: Deleting previous geometry: Geometry/default geometry
Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...
Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave
Info in <TGeoManager::Voxelize>: Voxelizing...
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100
Info in <TGeoManager::CloseGeometry>: 463899 nodes/ 1961 volume UID's in FAIR geometry
Info in <TGeoManager::CloseGeometry>: -----modeler ready-----
Container FairBaseParSet initialized from ROOT file.
-l container name PndGeoSttPar

initialisation for run id 600012391

Container PndSensorNamePar initialized from ROOT file.
[ERROR] init() PndGeoSttPar not initialized
Error in <FairRuntimeDb::initContainers(>: Error occured during initialization
PndFieldCreator::SetParm() 0xb8cd800

initialisation for run id 600012391

[ERROR] init() PndGeoSttPar not initialized
Container PndMultiFieldPar initialized from ROOT file.
Error in <FairRuntimeDb::initContainers(>: Error occured during initialization
OBJ: PndTransPar PndTransPar Trans. Field parameter container
OBJ: PndDipole1Par PndDipole1Par Dipole Field parameter container
OBJ: PndDipole2Par PndDipole2Par Dipole Field parameter container
OBJ: PndSolenoid1Par PndSolenoid1Par Solenoid 1st region parameter container
OBJ: PndSolenoid2Par PndSolenoid2Par Solenoid 2nd region parameter container

```

OBJ: PndSolenoid3Par PndSolenoid3Par Solenoid 3rd region parameter container
OBJ: PndSolenoid4Par PndSolenoid4Par Solenoid 4th region parameter container
-l- PndFieldMap::Init: 2nd noenc
-l- PndFieldMap::Init: existed ENC map name = (noenc)
-l- PndFieldMap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/TransMap.1500.root
-l- PndFieldMap::Init: 2nd noenc
-l- PndFieldMap::Init: existed ENC map name = (noenc)
-l- PndFieldMap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/DipoleMap1.1500.root
-l- PndFieldMap::Init: 2nd noenc
-l- PndFieldMap::Init: existed ENC map name = (noenc)
-l- PndFieldMap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/DipoleMap2.1500.root
-l- PndFieldMap::Init: existed ENC map name = (SolenoidMap1_enc)
-l- PndFieldMap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/SolenoidMap1.root
-l- ENC Fieldmap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/SolenoidMap1_enc.root
-l- PndFieldMap::Init: existed ENC map name = (SolenoidMap2_enc)
-l- PndFieldMap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/SolenoidMap2.root
-l- ENC Fieldmap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/SolenoidMap2_enc.root
-l- PndFieldMap::Init: 2nd noenc
-l- PndFieldMap::Init: existed ENC map name = (noenc)
-l- PndFieldMap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/SolenoidMap3.root
-l- PndFieldMap::Init: 2nd noenc
-l- PndFieldMap::Init: existed ENC map name = (noenc)
-l- PndFieldMap: Reading field map from ROOT file
/home/kang/GSI/pandaroot/input/SolenoidMap4.root
-----FairGeane::Init ()-----
Loading Geant3 libraries ...
Loading Geant3 libraries ... finished

```

```
MZSTOR. ZEBRA table base TAB(0) in /MZCC/ at adr 554592759 210E69F7 HEX
```

```

MZSTOR. Initialize Store 0 in /GCBANK/
      with Store/Table at absolute adrs 554615797 554592759
      HEX 210EC3F5 210E69F7
      HEX 560A 0
      relative adrs 22026 0
      with 1 Str. in 2 Links in 5300 Low words in 4999970 words.
      This store has a fence of 16 words.

```

```

MZLOGL. Set Log Level 0 for store 0
1***** GEANT Version 3.21/11 Released on 100298
0***** Correction Cradle Version 0.1100

```

```

MZDIV. Initialize Division Constant in Store 0
      NW/NWMAX= 2000400000, MODE/KIND= 1 2

```

Division 20 initialized.

MZLINK. Initialize Link Area /GCLINK/ for Store 0 NL/NS= 20 20

MZLINK. Initialize Link Area /GCSLNK/ for Store 0 NL/NS= 100 100

*** GCOMAD: cannot load common GCONSX

-I- G3Config: Geant3 with TGeo has been created for Geane.

-I- Geane.C: NOPRNT flag set to 1

-I- Geane.C: IERR flags are not printed. If you want to switch them on, please set fErtrio1->noprnt = 0 in Geane.C

Energy stragglng area parameter from user set to: 0.999

=====

---- : TransMap.1500

---- Field type : Trans Map

---- Field map grid :

---- x = 0.000 to 240.0 cm, 61 grid points, dx = 4.000 cm

---- y = -240.0 to 240.0 cm, 241 grid points, dy = 2.000 cm

---- z = 283.0 to 343.0 cm, 41 grid points, dz = 1.500 cm

---- Field centre position: (0.000, 0.000, 0.000) cm

---- Field scaling factor: 1.000

---- Field at origin interaction point of primary vertex (0,0,30) is (0.000, 0.000, 0.000) kG

=====

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---- : DipoleMap1.1500

---- Field type : Dipole Map

---- Field map grid :

---- x = 0.000 to 158.0 cm, 80 grid points, dx = 2.000 cm

---- y = 0.000 to 51.00 cm, 52 grid points, dy = 1.000 cm

---- z = 342.0 to 602.0 cm, 131 grid points, dz = 2.000 cm

---- Field centre position: (0.000, 0.000, 0.000) cm

---- Field scaling factor: 1.000

---- Field at origin interaction point of primary vertex (0,0,30) is (0.000, 0.000, 0.000) kG

=====

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---- : DipoleMap2.1500

---- Field type : Dipole Map

---- Field map grid :

---- x = 0.000 to 170.0 cm, 35 grid points, dx = 5.000 cm

---- y = 0.000 to 60.00 cm, 31 grid points, dy = 2.000 cm

---- z = 560.0 to 660.0 cm, 26 grid points, dz = 4.000 cm

```
---- Field centre position: ( 0.000, 0.000, 0.000) cm
---- Field scaling factor: 1.000
----
---- Field at origin interaction point of primary vertex (0,0,30) is ( 0.000, 0.000, 0.000) kG
=====
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=====
---- : SolenoidMap1
----
---- Field type : Soleniod Map
----
---- Field map grid :
---- x = 0.000 to 231.0 cm, 78 grid points, dx = 3.000 cm
---- y = 0.000 to 231.0 cm, 78 grid points, dy = 3.000 cm
---- z = -172.0 to -40.00 cm, 34 grid points, dz = 4.000 cm

---- Field centre position: ( 0.000, 0.000, 0.000) cm
---- Field scaling factor: 1.000
----
---- Field at origin interaction point of primary vertex (0,0,30) is ( 0.000, 0.000, 0.000) kG
---- Field at origin interaction point of primary vertex (0,0,90) is ( 0.000, 0.000, 0.000) kG
=====
HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
=====
---- : SolenoidMap2
----
---- Field type : Soleniod Map
----
---- Field map grid :
---- x = 0.000 to 231.0 cm, 155 grid points, dx = 1.500 cm
---- y = 0.000 to 231.0 cm, 155 grid points, dy = 1.500 cm
---- z = -40.00 to 180.0 cm, 89 grid points, dz = 2.500 cm

---- Field centre position: ( 0.000, 0.000, 0.000) cm
---- Field scaling factor: 1.000
----
---- Field at origin interaction point of primary vertex (0,0,30) is ( 0.000, 0.000, 20.02) kG
---- Field at origin interaction point of primary vertex (0,0,90) is ( 0.000, 7.562, 19.99) kG
=====
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=====
---- : SolenoidMap3
----
---- Field type : Soleniod Map
----
---- Field map grid :
---- x = 0.000 to 231.0 cm, 232 grid points, dx = 1.000 cm
---- y = 0.000 to 231.0 cm, 232 grid points, dy = 1.000 cm
---- z = 180.0 to 248.0 cm, 18 grid points, dz = 4.000 cm

---- Field centre position: ( 0.000, 0.000, 0.000) cm
```

---- Field scaling factor: 1.000

---- Field at origin interaction point of primary vertex (0,0,30) is (0.000, 0.000, 0.000) kG

---- Field at origin interaction point of primary vertex (0,0,90) is (0.000, 0.000, 0.000) kG

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---- : SolenoidMap4

---- Field type : Soleniod Map

---- Field map grid :

---- x = 0.000 to 240.0 cm, 161 grid points, dx = 1.500 cm

---- y = 0.000 to 240.0 cm, 161 grid points, dy = 1.500 cm

---- z = 247.7 to 283.7 cm, 25 grid points, dz = 1.500 cm

---- Field centre position: (0.000, 0.000, 0.000) cm

---- Field scaling factor: 1.000

---- Field at origin interaction point of primary vertex (0,0,30) is (0.000, 0.000, 0.000) kG

---- Field at origin interaction point of primary vertex (0,0,90) is (0.000, 0.000, 0.000) kG

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Calculating cross section tables, see gphysi.dat for more information

-I- PndLheHitsMaker::Init

Cross section calculation concluded successfully

I- FairGeane::FairGeane: Geane is Initialized

[FATAL] Initialization of Task Geane Application failed fatally

[FATAL] We stop the execution of the process at this point.

[FATAL] For later analysis we write a core dump to core_dump_17535