
Subject: demo with tracklength not running
Posted by [asanchez](#) on Wed, 16 Apr 2008 14:03:58 GMT
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Hi Sebastian, i was trying to run the macros in demo directory.
But after having run runDemo.C with geane switched ON,
i get nothing.
Do you know why?

my best regards
ALicia.

43 libraries loaded

=====

-I- CbmRunAna: Opening Input file: demo.mc.root
Info in <TGeoManager::TGeoManager>: Geometry Geometry, Geane geometry created
Info: TGeoManager::Import : Reading geometry from file: demo.mc.root
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>: 9 nodes/ 9 volume UID's in CBM geometry
Info in <TGeoManager::CloseGeometry>: -----modeler ready-----
Loading Geant3 libraries ...
Loading Geant3 libraries ... finished

MZSTOR. ZEBRA table base TAB(0) in /MZCC/ at adr 282026719 10CF62DF HEX

MZSTOR. Initialize Store 0 in /GCBANK/
with Store/Table at absolute adrs 282135565 282026719
HEX 10D10C0D 10CF62DF
HEX 1A77A 0
relative adrs 108410 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= 20004000000, 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
-I- G3Config: Geant3 with TGeo has been created for Geane.
Energy straggling area parameter from user set to: 0.9996
CbmMCApplication::ConstructGeometry() : Now closing the geometry
Warning in <TGeoManager::CloseGeometry>: geometry already closed

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

Cross section calculation concluded successfully

-I- CbmMCApplication:: Monte carlo Engine Initialisation with TGeant3TGeo

I- CbmGeane::CbmGeane: Geane is Initialized

OBJ: CbmRuntimeDb CbmRuntimeDb Class for runtime database

-I- CbmRunAna::Init :

demo.mc.root is connected with:

PndFieldCreator::SetParm()

create PndFieldPar container PndFieldPar

create PndFieldPar container PndSolenoidPar

create PndFieldPar container PndDipolePar

create PndFieldPar container PndTransPar

create PndFieldPar container PndConstPar

create PndFieldPar container PndMultiFieldPar

initialisation for run id 1705800566

Container CbmBaseParSet initialized from ROOT file.

Error in <PndFieldPar::init()>: PndFieldPar not initialized

Error in <PndSolenoidPar::init()>: PndSolenoidPar not initialized

Error in <PndDipolePar::init()>: PndDipolePar not initialized

Error in <PndTransPar::init()>: PndTransPar not initialized

Container PndConstPar initialized from ROOT file.

Error in <PndMultiFieldPar::init()>: PndMultiFieldPar not initialized

Error in <CbmRuntimeDb::initContainers()>: Error occurred during initialization

PndFieldCreator::createCbmField()

----- actual containers in runtime database -----

CbmBaseParSet Test class for parameter io

PndFieldPar Field parameter container

PndSolenoidPar Solenoid Field parameter container

PndDipolePar Dipole Field parameter container

PndTransPar Trans. Field parameter container

PndConstPar Const Field parameter container

PndMultiFieldPar Multiple Field parameter container

----- runs, versions -----

run id

container 1st-inp 2nd-inp output

run: 1705800566

CbmBaseParSet -1 -1 0

PndFieldPar -1 -1 0

PndSolenoidPar -1 -1 0

PndDipolePar -1 -1 0

PndTransPar -1 -1 0

PndConstPar -1 -1 0

PndMultiFieldPar -1 -1 0

----- input/output -----

first Input:

OBJ: CbmParRootFile demo.param.root : 0 at: 0x9b9e6b0
Root file I/O demo.param.root is open
detector I/Os: CbmGenericParlo
second input: none
output: none
DemoPatternRecoTask::Exec
0 tracks created
DemoKalmanTask::Exec Event 0
DemoToolsTask::Exec Event 0

Macro finished succesfully.
Output file is demo.mcreco.root
Parameter file is demo.param.root
Real time 3.41002 s, CPU time 3.34 s

Subject: Re: demo with tracklength not running
Posted by [Sebastian Neubert](#) on Wed, 16 Apr 2008 14:21:16 GMT
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Hi Alicia!

It worked here. let me try it again...

Sebastian.

Subject: Re: demo with tracklength not running
Posted by [asanchez](#) on Wed, 16 Apr 2008 14:36:08 GMT
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Hi again, should i change something, in
gconfig before ?

regards
Alicia

Subject: Re: demo with tracklength not running
Posted by [Sebastian Neubert](#) on Wed, 16 Apr 2008 15:57:05 GMT
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Hi Alicia!

Make sure that all your tracks have really been fitted succesfully (statusflag==0 in the
CardinalRep).

There are some problems with low energy particles still, where GEANE seems to fail. This is
under invetiagtion.

I just used 500Mev Muons and it worked.

I submit the code as I have it right now. I also built in an error message which tells you if a track is discarded by the ToolsTask.

Cheers! Sebastian.
