
Subject: Re: Moving the Geometry from data file to the parameters

Posted by [Elena Litvinenko](#) on Fri, 23 Oct 2009 14:21:16 GMT

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Hello,

I performed a simulation using "cbmroot/trunk/macro/run/run_sim.C" and tried to display geometry using correspondingly updated "eventDisplay.C" macro. The result is here:

```
- RTDB container factory FairBaseContFact
- RTDB container factory CbmFieldContFact
- RTDB container factory CbmPassiveContFact
- RTDB container factory CbmMvdContFact
- RTDB container factory CbmStsContFact
- RTDB container factory CbmRichContFact
- RTDB container factory CbmTofContFact
- RTDB container factory CbmEcalContFact
-l- FairRunAna: Opening Input file: data/test.mc.root
Warning in <TClass::TClass>: no dictionary for class CbmTrd is available
```

```
-l- FairRunAna::Init :
data/test.mc.root is connected with:
```

```
-l- Geometry was not found in the input file we will look in the friends if any!
create CbmFieldPar container CbmFieldPar
```

```
*****
```

```
initialisation for run id 1501042957
```

```
*****
```

```
Error in <TBufferFile::ReadObject>: trying to read an emulated class (CbmTrd) to store in a
compiled pointer (TObject)
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>: 827935 nodes/ 235 volume UID's in FAIR geometry
Info in <TGeoManager::CloseGeometry>: -----modeler ready-----
Container FairBaseParSet initialized from ROOT file.
Container CbmFieldPar initialized from ROOT file.
New field at 0x2e6bdb0, type 3
-l- CbmFieldMap: Reading field map from ROOT file
/u/litvinen/cbm/trunk/input/FieldMuonMagnet.root
=====
---- : FieldMuonMagnet
----
---- Field type : Map sym3
----
---- Field map grid :
---- x = 0.000 to 300.0 cm, 151 grid points, dx = 2.000 cm
```

---- y = 0.000 to 300.0 cm, 151 grid points, dy = 2.000 cm

---- z = 0.000 to 448.0 cm, 225 grid points, dz = 2.000 cm

---- Field centre position: (0.000, 0.000, 50.00) cm

---- Field scaling factor: 1.000

---- Field at origin is (0.000, -7.275, -2.727e-09) kG

=====
-E- FairRootManager Branch: GeoTracks not found in Tree

-E- FairRootManager Branch: GeoTracks not found in Tree

FairMCPointDraw::Init() branch Monte-Carlo Tracks Not found! Task will be deactivated

Info in <TGeoManager::SetVisLevel>: Automatic visible depth disabled

Warning in <TGLScene::RenderElements>: Timeout reached, not all elements rendered.

root [1] Warning in <TGLScene::RenderElements>: Timeout reached, not all elements

rendered.

In other tests I also can not find the geometry information. Which class is now responsible for the real writing this information to the parameter file? My "cbmroot/trunk" revision number is 6780