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
-I- FairRunAna: Opening Input file: data/test.mc.root
Warning in <TClass::TClass>: no dictionary for class CbmTrd is available

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

-I- 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
-I- 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