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

Posted by [Arun Prakash](#) on Mon, 26 Oct 2009 10:30:53 GMT

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I am performing the simulations for MuCh. I could successfully perform the transport and segmentation. Now when I am running the much\_hits\_gem.C (with simple gem) I am getting the following error .

Processing much\_hits\_gem.C...

PSaid instance created... access via gSaid->f()

- RTDB container factory FairBaseContFact
- RTDB container factory CbmFieldContFact
- RTDB container factory CbmPassiveContFact
- RTDB container factory CbmStsContFact
- RTDB container factory CbmRichContFact
- RTDB container factory CbmTrdContFact
- RTDB container factory CbmTofContFact
- RTDB container factory CbmEcalContFact
- RTDB container factory CbmMuchContFact

-I- FairRunAna: Opening Input file:

/u/cbmcast5/arun/cbmroot/macro/much/data/mc.box.0009.root

Info in <CbmMuchGeoScheme::CbmMuchGeoScheme>: CbmMuchGeoScheme created

-I- FairRunAna::Init :

/u/cbmcast5/arun/cbmroot/macro/much/data/mc.box.0009.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 1456339567

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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>: 5512 nodes/ 4513 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 0xad00308, type 3

-I- CbmFieldMap: Reading field map from ROOT file

/u/cbmcast5/arun/cbmroot/input/FieldMuonMagnet.root

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---- : FieldMuonMagnet

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---- Field type : Map sym3

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---- Field map grid :  
---- x = 0.000 to 150.0 cm, 151 grid points, dx = 1.000 cm  
---- y = 0.000 to 150.0 cm, 151 grid points, dy = 1.000 cm  
---- z = 0.000 to 250.0 cm, 251 grid points, dz = 1.000 cm

---- Field centre position: ( 0.000, 0.000, 50.00) cm  
---- Field scaling factor: 1.000

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---- Field at origin is ( 0.000, -7.272, -2.724e-09) kG

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\*\*\* Break \*\*\* segmentation violation  
terminate called after throwing an instance of 'std::bad\_alloc'  
what(): St9bad\_alloc

Kindly advise me as how to rectify this error

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