

Hallo Volker,

Yes, this is true! This method was implemented at the time where the the geometry was saved in the data file, and as we move the geometry to the parameters we did not think about it (Sorry!!). Anyway, I created a new Parameter container for the the geometry now and this will be filled by the simulation and case you do not set your geometry manually it will be initialized. So nothing should changed for you except that it should work now! (Fairbase Trunk 20129)

I test it with our tutorials: runing run\_digi macro in example/Tutorial3

Quote:

```
root run_digi.C -l
root [0]
Processing run_digi.C...
FairRootManager::OpenOutFile("data/testdigi.root")
[INFO ] The input consists out of the following trees and files:
[INFO ] - cbmsim
[INFO ] - data/testrun.root
[INFO ] Parameter and input file are available, Assure that basic info is there for the run!
[INFO ] The number of entries in chain is 10
[INFO ] Branch: EventHeader. not found in Tree
[INFO ] Branch: EventHeader. not found in Tree
[INFO ] No event Header was found!!!
[INFO ] Branch: EventHeader. not found in Tree
[INFO ] Branch: EventHeader. not found in Tree
```

\*\*\*\*\*

initialisation for run id 1370503422

\*\*\*\*\*

```
-l- FairRunTimeDB::InitContainer() FairGeoParSet
Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...
Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100
Info in <TGeoManager::Voxelize>: Voxelizing...
Info in <TGeoManager::CountLevels>: max level = 1, max placements = 8
Info in <TGeoManager::CloseGeometry>: 9 nodes/ 5 volume UID's in FAIR geometry
Info in <TGeoManager::CloseGeometry>: -----modeler ready-----
Container FairGeoParSet initialized from ROOT file.
-l- FairRunTimeDB::InitContainer() FairBaseParSet
Container FairBaseParSet initialized from ROOT file.
```

\*\*\*\*\*

initialisation for run id 1370503422

\*\*\*\*\*

```
-l- FairRunTimeDB::InitContainer() FairGeoParSet
-l- FairRunTimeDB::InitContainer() FairBaseParSet
```

\*\*\*\*\*

initialisation for run id 1370503422

```
*****  
-l- FairRunTimeDB::InitContainer() FairGeoParSet  
-l- FairRunTimeDB::InitContainer() FairBaseParSet  
[INFO ] The number of entries in chain is 10
```

Macro finished successfully.  
Output file is data/testdigi.root  
Parameter file is data/testparams.root  
Real time 0.039017 s, CPU time 0.03 s

Test passed  
All ok  
root [1]

and if you add the line `fRun->SetGeomFile("data/geofile_full.root")` to the macro you get:

```
Quote:root run_digi.C -l  
root [0]  
Processing run_digi.C...  
FairRootManager::OpenOutFile("data/testdigi.root")  
[INFO ] Opening Geometry input file: data/geofile_full.root  
Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...  
Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave  
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100  
Info in <TGeoManager::Voxelize>: Voxelizing...  
Info in <TGeoManager::CountLevels>: max level = 1, max placements = 8  
Info in <TGeoManager::CloseGeometry>: 9 nodes/ 5 volume UID's in FAIR geometry  
Info in <TGeoManager::CloseGeometry>: -----modeler ready-----  
[INFO ] The input consists out of the following trees and files:  
[INFO ] - cbmsim  
[INFO ] - data/testrun.root  
[INFO ] Parameter and input file are available, Assure that basic info is there for the run!  
[INFO ] The number of entries in chain is 10  
[INFO ] Branch: EventHeader. not found in Tree  
[INFO ] Branch: EventHeader. not found in Tree  
[INFO ] No event Header was found!!!  
[INFO ] Branch: EventHeader. not found in Tree  
[INFO ] Branch: EventHeader. not found in Tree
```

```
*****  
initialisation for run id 1370503422
```

```
*****  
-l- FairRunTimeDB::InitContainer() FairBaseParSet  
Container FairBaseParSet initialized from ROOT file.
```

```
*****
```

```
initialisation for run id 1370503422
*****
-I- FairRunTimeDB::InitContainer() FairBaseParSet
*****
initialisation for run id 1370503422
*****
-I- FairRunTimeDB::InitContainer() FairBaseParSet
[INFO ] The number of entries in chain is 10
```

Macro finished successfully.  
Output file is data/testdigi.root  
Parameter file is data/testparams.root  
Real time 0.0395799 s, CPU time 0.04 s

Test passed  
All ok

Cheers,

Mohammad