Subject: Re: Creating a new Detector out of 2 or more detectors
Posted by Raghav Kunnawalkam on Thu, 08 Mar 2012 16:32:35 GMT
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Hi Mohammad

Looks like now it does not load the geometry files when i say

```
FairDetector* Dirc = new FairDircDet("DIRC", kFALSE);
Dirc->SetGeometryFileName("dircdet.geo");
run->AddModule(Dirc);
```

Root does not give me any errors but it also does not build the geometry

```
[INFO   ] Media file used : /Users/raghav/fairroot/example/geometry/media_test.geo
[INFO   ] User path for detector geometry : /Users/raghav/fairroot/example/geometry/cave.geo
[INFO   ] User path for detector geometry : /Users/raghav/fairroot/example/geometry/pipe.geo
[INFO   ] User path for detector geometry : /Users/raghav/fairroot/example/geometry/dpm.geo
loading detectors
[INFO   ] User path for detector geometry :
/Users/raghav/fairroot/example/geometry/dircdet.geo
```

It found all the necessary files but it only build vacuum from all the lot, which is evident when i look at this.

```
Info in <TGeoManager::Voxelize>: Voxelizing...
Info in <TGeoManager::CloseGeometry>: Building cache...
Info in <TGeoManager::CloseGeometry>: 1 nodes/ 1 volume UID's in FAIR geometry
```

I did find a workaround for this by saying

```
FairDetector* Dirc = new FairRutherford("DIRC", kFALSE);
Dirc->SetGeometryFileName("rutherford.geo");
run->AddModule(Dirc);
```

but i changed the rutherford.geo to look like dircdet.geo, and then it build rutherford like dircdet. This would be fine if i only had only detector but i have lots of them and i am really at a loss as to where the error is, because i compared FairRutherford classes with FairDircDet classes and cannot find a difference between.

I am having the same problem with the passive components as well. It only build magnet (but it sees all the rest) and i can only build pipe, if i define target (which was defined in the rutherford experiment) like the pipe. (just like i did for dircdet)

Many many thanks for your help.
Raghav