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Subject: Re: TGeoManager and TGeoVolume  
Posted by [Ralf Kliemt](#) on Tue, 26 Feb 2008 16:15:04 GMT  
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Hi again,

I Did some checks and there are no overlapping volumes. If I run only one event it does not crash and in the resulting sim file the geometry is there! This are the good news. I can drw them, everything seems to be fine.

Now coming to the Problems: After the 7th event Geant4 crashed, Geant3 too.  
After commenting the line which set the momentum range it ran... This is not a good sign and here might come soon some further problems. We will see.

So my conclusion is now as simple as this:

To get the geometry out of a file with a TGeoManager objec, just make a script with

```
Quote:TFile* file = new TFile("../geometry/geo_with_manager.root");  
TGeoManager *geoMan = (TGeoManager*) file->Get("ManagerName");  
TGeoVolume* topvol = geoMan->GetMasterVolume();  
topvol->Export("../geometry/geo_volumes_only.root","VolumeName","recreate ");
```

And then load these Volumes like in PndMvdDetector::ConstructRootGeometry()  
(pandaroot/mvd/MvdMC/MvdDetector.cxx)

Thanks for the help.

Happy greetings from Dresden, Ralf.

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