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.