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Subject: Re: TGeoManager and TGeoVolume

Posted by [George Serbanut](#) on Tue, 26 Feb 2008 12:19:31 GMT

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Hi,

I experienced that problem as well and I managed to work around that problem. If you inherit CbmDetector for your class, you have access to gGeoManager which is the simulation manager (the instance of TGeoManager). Once you registered the materials (as materials or mixtures) and media in gGeoManager, all you have to do is to set the geometry which, in the case you are not using the "standard" way (meaning, in ConstructGeometry member), you can register your volumes to gGeoManager by accessing gGeoManager->AddVolume(<volume>), and to access it further (in any other member) by calling gGeoManager->GetVolume("<volume name>"). For more information, have a look on <http://root.cern.ch/root/html/TGeoManager.html> (gGeoManager is the instance of that class).

You will need one more thing: register your class in the DB (see the examples how to register a class of parameters in DB).

Good luck!

George

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