Subject: Re: Crash in DIRC with G4
Posted by Oliver Merle on Wed, 28 Mar 2012 12:04:39 GMT
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I've observed the same problem when I started implementing the Disc DIRC geometry earlier this year. To understand how you construct the geometry within PandaRoot, I had to read your code (thanks for the missing documentation, really helpfull) and expected undefined behavior if the first volume (v1 in void FairModule::ConstructRootGeometry()) is not a TGeoAssembly.

The reason is simple: the material of the first volume is ignored. Hard to believe that these geometry files have ever worked in Geant4 - how was it possible without proper material information? Somehow I doubt that they worked ever. With which version of pandaroot and external packages did they actually work? I would like to check that.

I've implemented a fix which works fine for me. Try the attached version FairModule and see if it solves your problem.

Regards,
Oliver

File Attachments

1) FairModule.tar.gz, downloaded 416 times