Subject: Re: Coordinate system for hit parameters
Posted by Volker Friese on Fri, 02 Mar 2012 19:43:16 GMT
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I am also not sure whether I get the question right. Do you mean by "generated by geant" that the geometry was created from the ASCII file, in contrast to being created directly in ROOT (TGeo) format?

Well, that does not make any difference, since the internal geometry is always built in TGeo format. If you intialise the geometry from ASCII, the geometry reader takes care of creating the ROOT geometry from this particular input. The TGeo is also the one written to the parameter file and, if specified in the macro, also to the additional geometry output file (by the method FairRunSim::CreateGeometryFile).

Now, the TGeo package provides you with convenient methods for coordinate transformation, in particular from local to global coordinates.