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Subject: Re: geane propagate((CbmTrackParH \*TStart, CbmTrackParP \*TEnd, Int\_t PDG)

Posted by [Lia Lavezzi](#) on Fri, 02 May 2008 13:10:03 GMT

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Hi Alicia,

you need to give the PDG code to GEANE because otherwise GEANE does not know which particle it has to propagate through the detector. The tracking is made just like in the Monte Carlo (geant3) with all the random effects switched off, so GEANE needs to know the PDG code of the particle in order to propagate it with the correct energy loss and so on...

Pay attention to the fact that if you track a particle with the wrong PDG code GEANE results will not be reliable: it will calculate its predictions for the wrong particle.

For the moment I could suggest you to use the MC truth to get the PDG code of the tracks and use it for GEANE.

Ciao,  
Lia.

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