
Subject: Re: back-propagation with GEANE

Posted by [Anastasia Karavdina](#) on Thu, 20 May 2010 08:43:41 GMT

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Hi!

Using PropagateToPCA(1,-1) instead of BackTrackToVirtualPlaneAtPCA(1) doesn't make any essential difference. The difference is that for PropagateToPCA you have to use FairTrackParH parametrization for track, but for BackTrackToVirtualPlaneAtPCA(1) you can use both FairTrackParH and FairTrackParP parametrization. But result from PropagateToPCA(1,-1) the same as from using BackTrackToVirtualPlaneAtPCA(1).

Thank you for comment about ask for mcPoint->GetTrackID()==0, I really forgot to check it. But fortunately all particles of my simulation were antiprotons, so adding of this check didn't change the result.

StartO, StartU, StartV are directing vectors of luminosity detector. I take them from GeoManager (PndGeoHandling) as
fGeoH->GetOUVId(mcPoint->GetDetName(), StartO, StartU, StartV);
