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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);`

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