
Subject: Re: WirepointHitPolicy detplane implementation
Posted by [Anonymous Poster](#) on Mon, 16 Mar 2009 14:54:21 GMT
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Hi Lia and Ola,

thanks for pointing out the problems with my idea. I have to think about whether it would be wise to have such a function like the `AbsTrackRep::extrapolateToPoca` (which is called by `virtualDetectorPlane`)...

Actually it might well be that I remove `getVirtualDetectorPlane` all together, because it just calls `AbsTrackRep::extrapolateToPoca`....

Probably the best way to solve this would be to add a method to `AbsTrackRep` which is `extrapolateToLine` (which is clear what it does) and then call this from `WirepointHitPolicy::detplane()`. Your `Poca` code would then be implemented in `GeaneTrackRep`.

What do think about this solution?

If there is still slight modifiactions to the standard behavior necessary in `DchHit`, one could override `detPlane` from the policy, call the super-class method, and then modify the result before returning the result.

Please let me know what you think!

Christian
