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Subject: Re: Closing SVN access on Wednesday 11 February 2009

Posted by [Lia Lavezzi](#) on Tue, 17 Feb 2009 17:31:17 GMT

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Hi Bertram,

I attach here a scheme which explains from which classes the reco hit and hit policy classes inherit (this contains specific references to STT classes).

The abstract class for the reco hit already exists (AbsRecoHit) and then, for the different kinds of hits (i.e. 3D hits, for example for tpc, or planar hits, for example for mvd) the SpacepointHitPolicy and the PlanarHitPolicy specialized the generic hit to the desired type.

When we inserted the STT, we just added the WirepointHitPolicy in order to handle our particular hit, which is a 3D hit that can't be described by x,y,z coordinates, but is better described by a wire and the distance from that wire.

So I don't think we need one more level, but the generic class for the wire detector (to be moved to genfit) could be the WirepointHitPolicy (with the warning already mentioned about the plane orientation).

Regards,  
Lia.

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#### File Attachments

1) [scheme.jpg](#), downloaded 1097 times

**SttRecoHit** implement

inherits  
from

template:  
**RecoHitIfc** <policy> spe

inherits  
from

**AbsRecoHit**

contains

coord

cov

main  
methods

residual(AbsTrackR

getDetPlane(AbsTra