Subject: Re: WirepointHitPolicy detplane implementation
Posted by Lia Lavezzi on Tue, 17 Mar 2009 10:34:13 GMT
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Hi Ola,
   as far as I understand you don' t have a z coordinate for your reco hit at the beginning of the
Kalman procedure and so you would set the z coordinate to the value found by the
propagation, after the propagation to find the detPlane is performed... is this correct?
Well, in this case you would consider as a measured value the extrapolated value and so the
Kalman would use the extrapolated value twice when doing its weighted mean...

Wouldn' t it be better to set the z coordinate to 0.0 and give a very large error to it, so that the
Kalman practically does not consider it when doing the weighted mean and would take only the
extrapolated value? (I think this could work, but I' m not 100% sure)

But let me understand one thing: now the z coordinate is set to 0.0, but will you be able to set it
to a different value in future, or will you never have that coordinate? Can' t you get some info
on that from the prefit?

                    Ciao,
                    Lia.