
Subject: Re: Kalman low efficiency

Posted by [Susanna Costanza](#) on Thu, 02 Jun 2011 13:51:19 GMT

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Hi,

I had a look into the code.

The PndTrack flag can be filled both in PndRecoKalmanFit and in PndGenfitAdapters, with the following values:

- i) -10 if $p_z=1e-9$
- ii) -2 if the conversion from GenfitTrack to PndTrack has failed
- iii) -1 if the the number of degrees of freedom (NDF) = 0
- iv) 1 if $NDF \neq 0$

Concerning fStatusFlag, it's a data member of GFabsTrackRep. I see that in GFKalman it is set to 1 if you catch an exception in processHits(); then there is a continue and you go to the next rep.

So if I understand correctly, the values of these two flags do not seem to be related. Or am I wrong?

Susanna
