
Subject: Re: PndVtxPRG vs PndKinVtxFitter
Posted by [Ralf Kliemt](#) on Fri, 24 Oct 2014 14:31:38 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Karin,

There is a potential bug (marked in red). Simply use `bool checkb=vtxfitterlb.Fit();` as the fit statement in the beginning of the block.

Karin Schönning wrote on Fri, 24 October 2014 11:44for (j=0;j<lamb.GetLength();++j)
{

 PndVtxPRG vtxfitterlb(lamb[j]);

 vtxfitterlb.Fit();

 double chi2_vtx = vtxfitterlb.GetChi2(); // access chi2 of fit

 double prob_vtx = vtxfitterlb.GetProb(); // access probability of fit

 h0b_chi2_vf->Fill(chi2_vtx);

 hlamb_prob_vf->Fill(prob_vtx);

 bool checkb=vtxfitterlb.Fit();

 if(checkb)

 // when good enough, fill some histos

{

 RhoCandidate *lambv = lamb[j]->GetFit(); // access the fitted cand

Do you apply other selections, such as a distance cut to the interaction point? The PndVtxPrg should be just a touch less accurate then the PndKinVtxFitter. I expect no different efficiency drops by fitting.

Cheers

Ralf
