

Subject: Re: Crash in PndTpcRiemannTrackingTask
Posted by [StefanoSpataro](#) on Sun, 17 Jul 2011 14:58:54 GMT
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Meanwhile I have tried to check also, tpc with pion riemann, phi and eta_c peaks with standard pion hypothesis (red) and with ideal hypothesis (blue) in PndPidCorrelator.

K+K- invariant mass

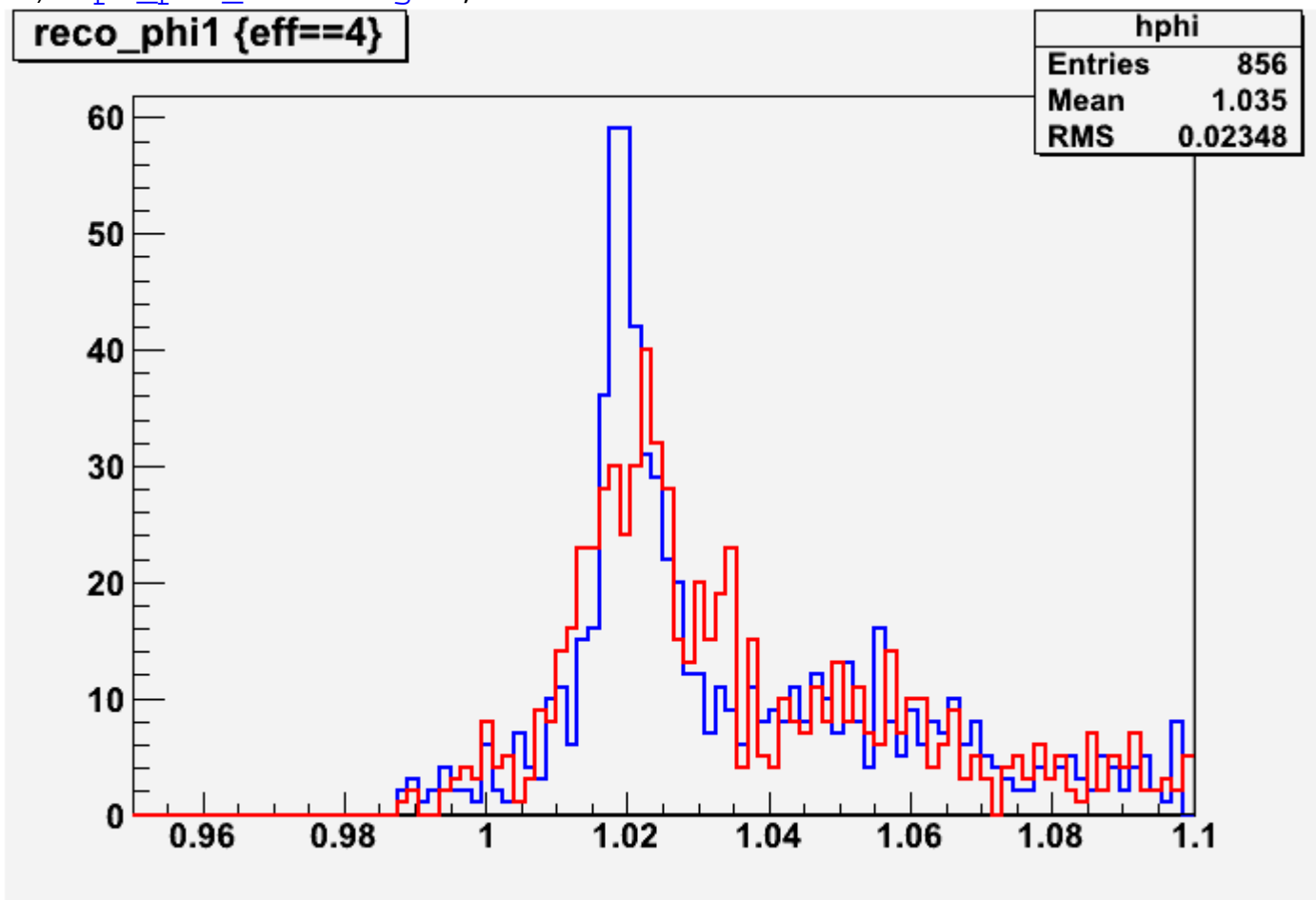
eta_c invariant mass

It seems that the ideal PidCorrelator (back extrapolation to IP using ideal particle hypothesis) produces a much sharper peak than with the default pion hypothesis. It seems a bit strange to me that the phi-phi invariant mass shows the same behaviour... however I will run the ideal pid correlator for tpc.

I will check the same also with stt.

File Attachments

1) [tpc_phi_corrid.gif](#), downloaded 783 times



2) [tpc_psi_corrid.gif](#), downloaded 742 times

reco_all {eff==4}

hAll	
Entries	428
Mean	2.922
RMS	0.1488

