Subject: Re: TpcRiemannTrackingTask - ideal PID now working - please rerun reconstruction
Posted by Dima Melnychuk on Tue, 02 Aug 2011 12:50:24 GMT

Hi,

I have rerun tpc reconstruction for eta_c with ideal pid in TpcRiemannTrackingTask and results are very close to what I showed yesterday with pion hypothesis (http://panda-wiki.gsi.de/pub/Tracking/TdrPreliminary/eta_c01.08.2011.pdf).

In both cases 5000 events were analysed with the same simulated data.

So eta_c reconstruction efficiency is 28.0% (ideal pid) vs 27.9% (pion), sigma(eta_c)=12.5 MeV (ideal pid) vs 12.3 MeV (pion), sigma(phi)=3.4 MeV (ideal pid) vs sigma(phi)=3.5 MeV (pion).

Dima