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Subject: Re: TpcRiemannTrackingTask - ideal PID now working - please rerun reconstruction

Posted by [Dima Melnychuk](#) on Tue, 02 Aug 2011 12:50:24 GMT

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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](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

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