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Subject: Low momentum tracks in TPC

Posted by [Stefano Spataro](#) on Thu, 14 Jul 2011 15:56:37 GMT

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Hi,

trying to explore the problems in tpc reconstruction, I have explored the results from the tpc riemann before and after the kalman fit. In particular I have plotted, for eta\_c events:

```
cbmsim.Draw("TrackPreFit.getMom().Mag()>>pre(100,0,2)");  
cbmsim.Draw("TrackPostFit.getMom().Mag()>>post(100,0,2)");
```

The following is the result:

It is not clear to me why so many tracks are shifted below 0.1 GeV, and they are cut away from the PidCorrelator (which has a cut  $0.1 < p < 10$  GeV/c). This could cause the problems with low efficiency.

Could you please investigate about? They are for sure screwed. The final distribution with TrackPostFitComplete is quite strange, at the end.

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## File Attachments

1) [test2.gif](#), downloaded 1260 times

