Subject: Low momentum tracks in TPC
Posted by StefanoSpataro 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.

File Attachments

1) test2.gif, downloaded 1313 times