Subject: Re: How to implement Various PID Criteria for the analysis??
Posted by Ralf Kliemt on Tue, 05 Jan 2016 09:23:49 GMT
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Hello Ajay.

I can see a few reasons why you don't see differences, those may overlap.

- Selection of keywords: "All" up to "Loose" is for particles with a low likelihood for your hypothesis. Here are the cut values connected to the keywords (defaults in macro/params/all.par):
0.00 - "All"
0.00 - "VeryLoose"
0.25 - "Loose"
0.50 - "Tight"
0.90 - "VeryTight"

- Your channel: Your signals that survive the simulations/reconstruction and you selection may be just identified very well. Signal Protons should stick out quite well against signal pions.

- Simulation setup. Depending if it is full or fast simulations, how well the forward part is implemented, etc. you'll find various PID efficiencies.

Cheers!
  Ralf