FAST SIMULATION MEETING 17 April 2008

IFR fast simulation: Plans

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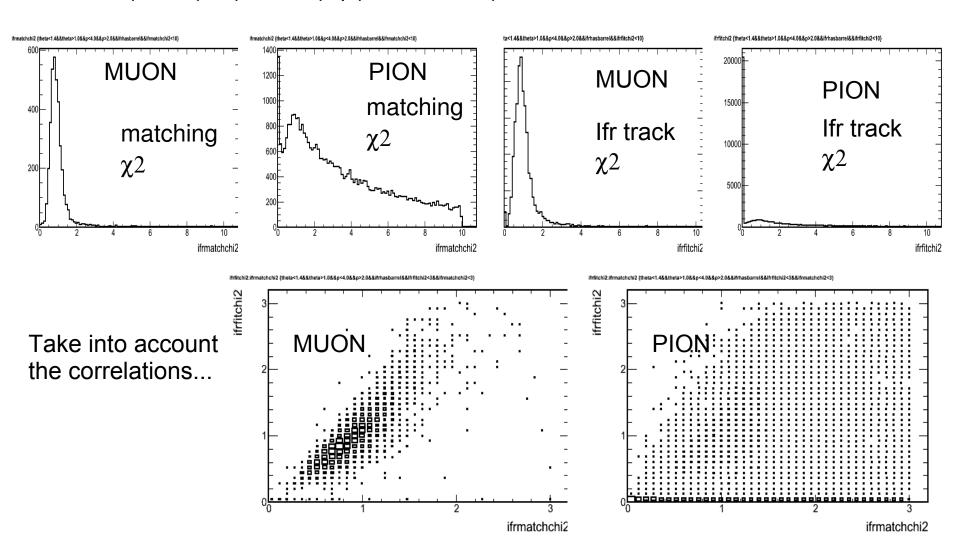
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Plans

- Start from the ntuple produced by the BaBar PID group (used to make the Pid tables):
 - Store the histograms of the relevant variables in a root file for each particle type, p, theta and phi;
- Add the parameterized quantities in PmcMicroAdapter.cc, hh
 - · Read the root file in the beginJob
 - generate randomly the IFR relevant quantity
 - Fill the BtalfrQual quantity
 - Use PravdaMC for now.
- Implement a simple cut based selector and create muonLists
- Adjust the PDFs according to the CDR baseline, or other design
 - for examples: changes in the #layers, or in the #interaction lenghts

Some examples

• Use clean samples of muons ($\mu\mu\gamma$) and pions ($\tau\tau$): select a particular bin, for ex. (barrel): $\theta(57^{\circ}-80^{\circ})$, p(2.0-4.0 GeV)



Other examples: measured IntLenght

bin: $\theta(57^{\circ}-80^{\circ})$, p(2.0-4.0 GeV)

