

QA for High pT Update

Pedro Podesta ICN-UNAM

pT Generated vs Reco

Implementation of other cuts in errors for all 5 parameters

Y, Z, senphi, tanlambda, q/pT

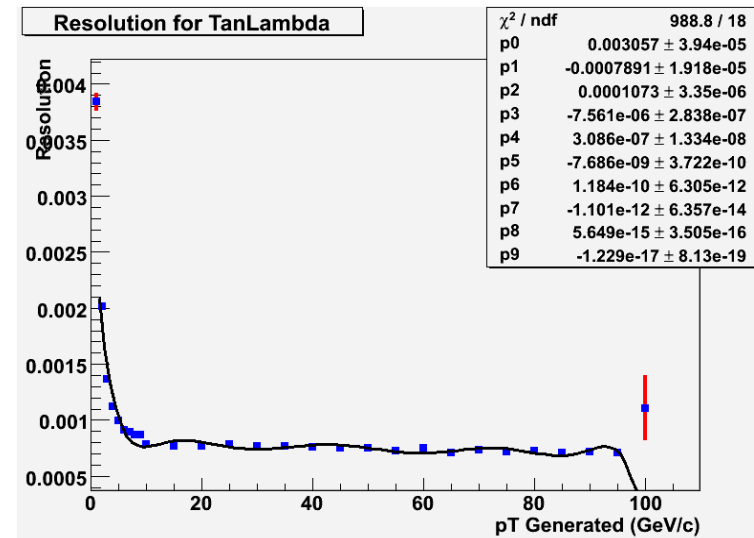
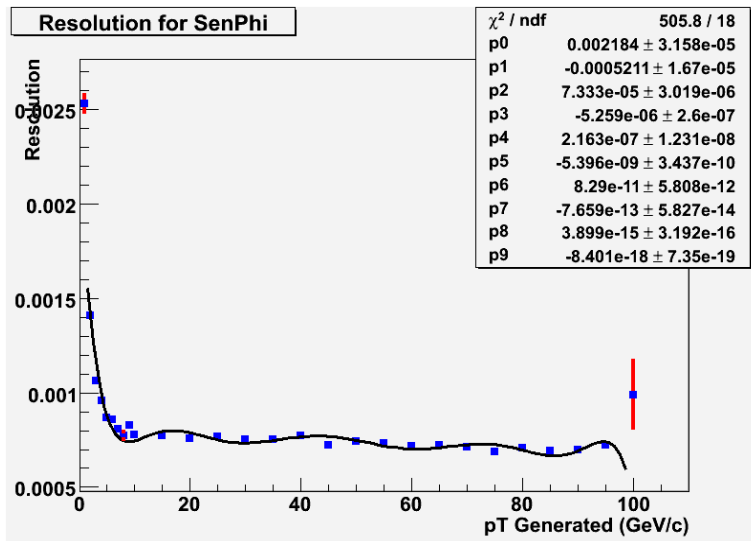
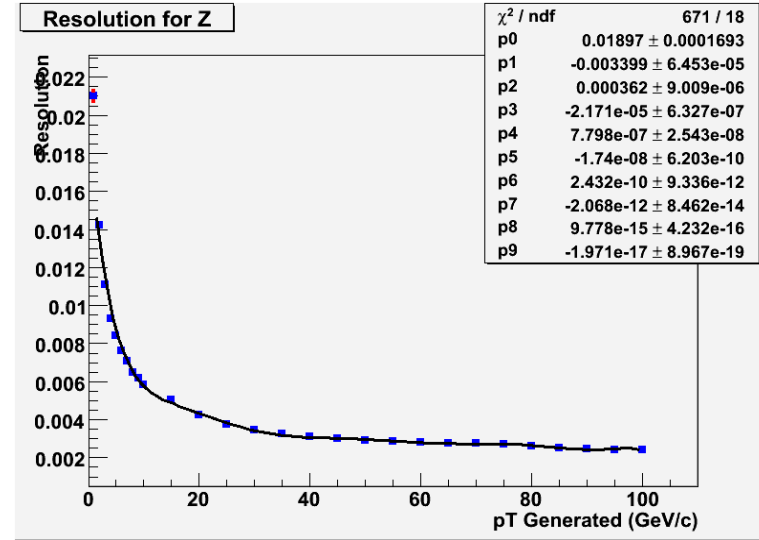
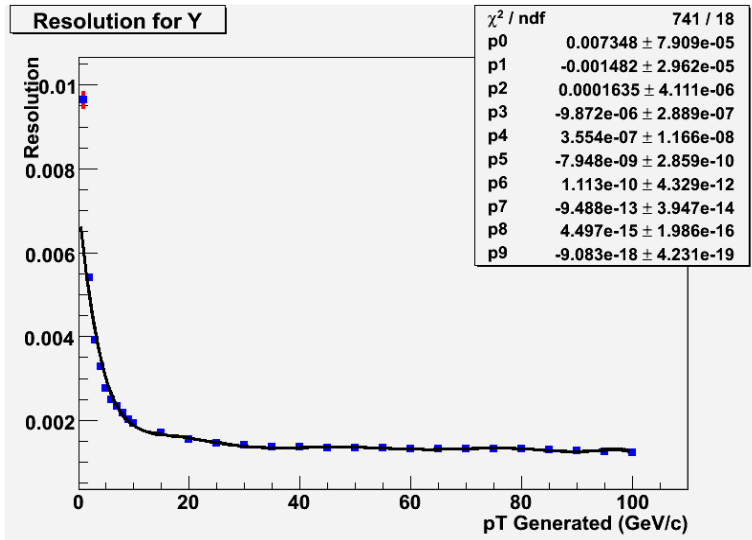
Cut in Number of cluster in TPC to 100

Test percentage of bad tracks as function of multiplicity

Search for quality in Eta phi and others..

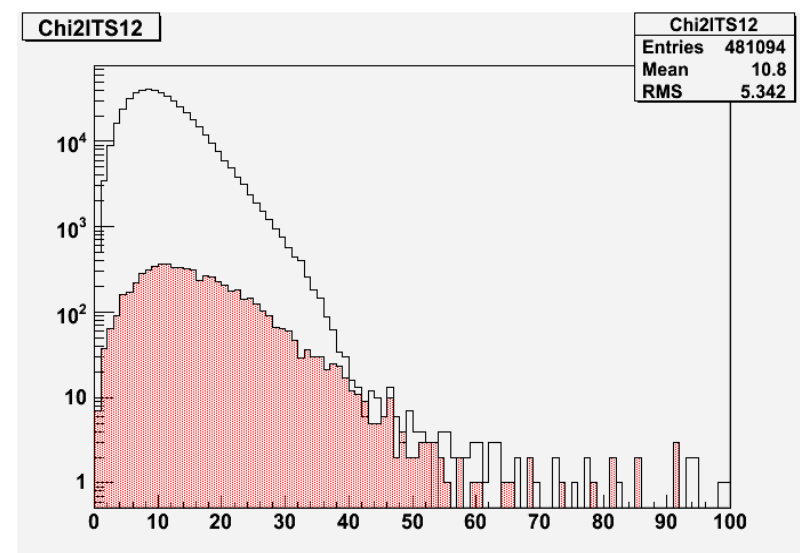
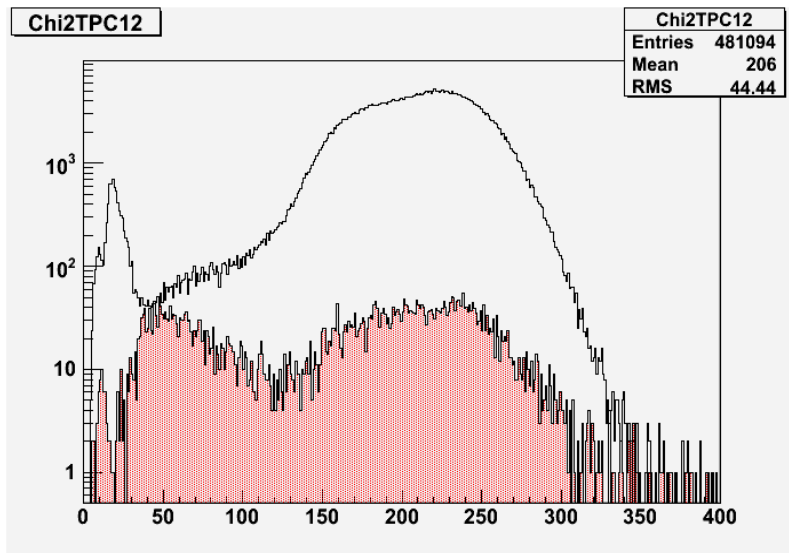
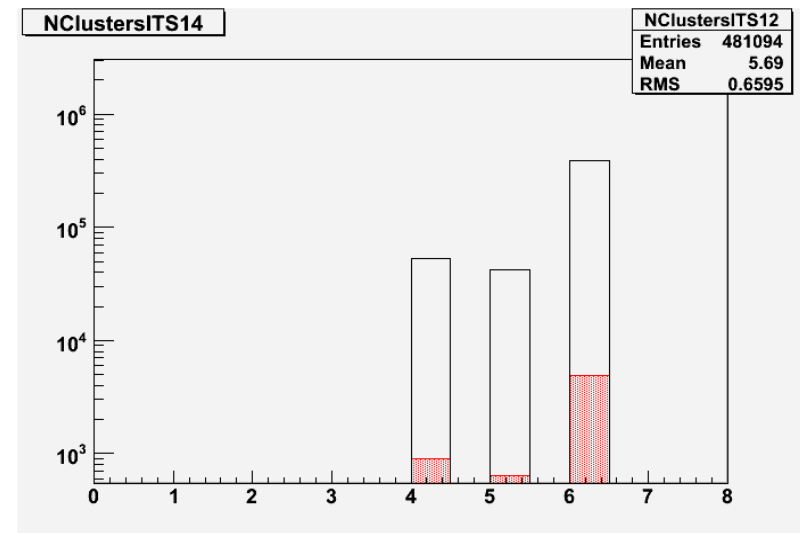
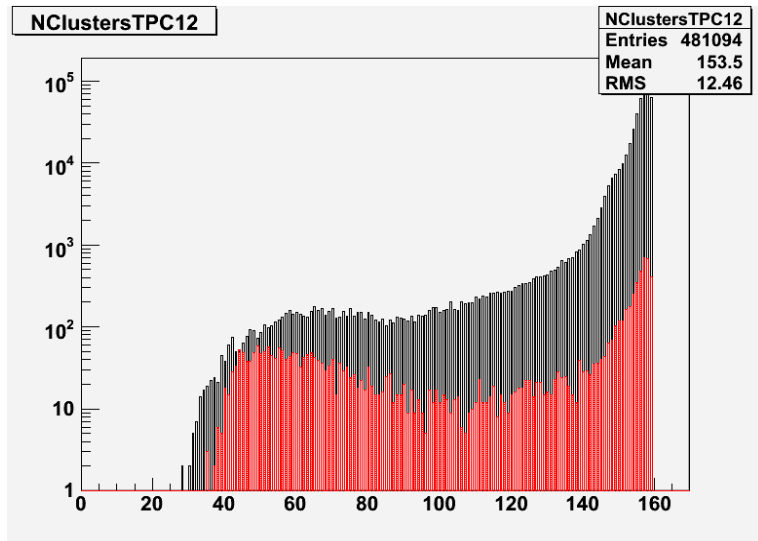
Cut in errors in parameters

Make a resolution function as function de pT for all parameters.

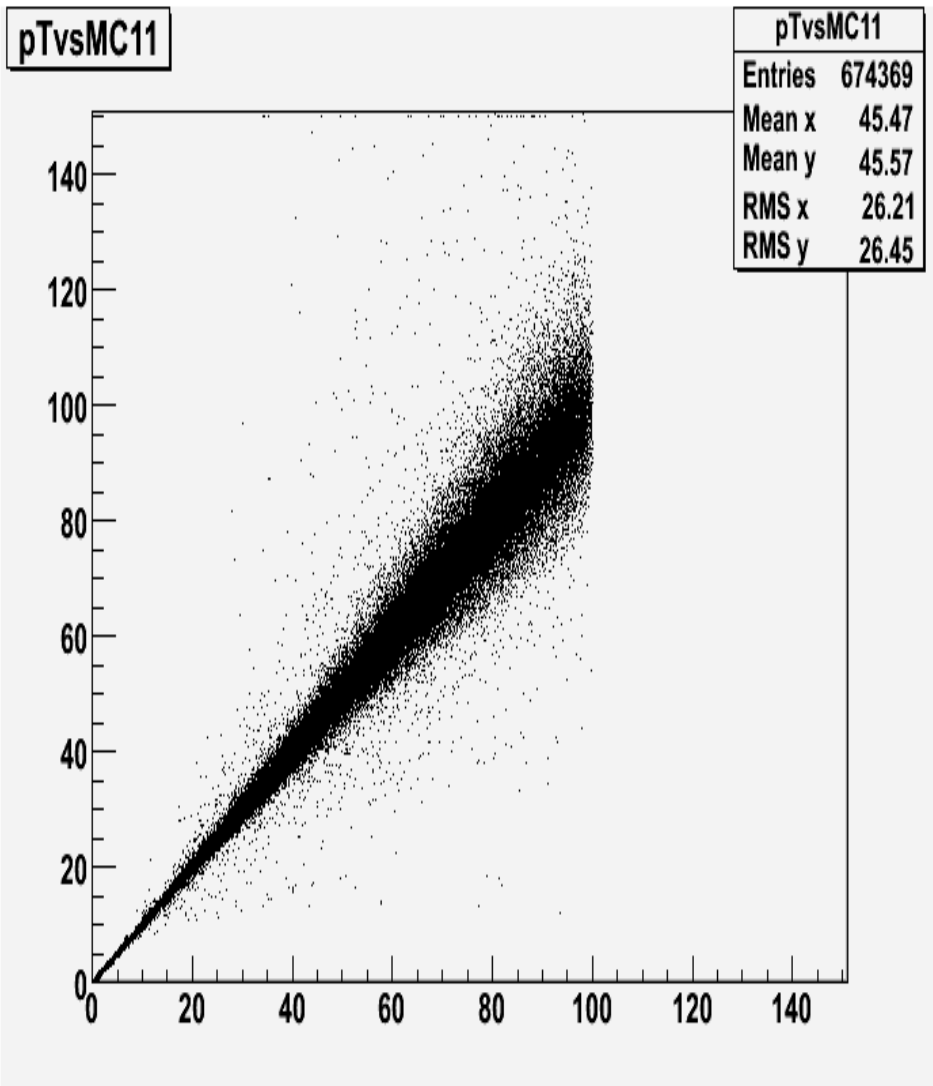


Cuts in # of cluster of TPC

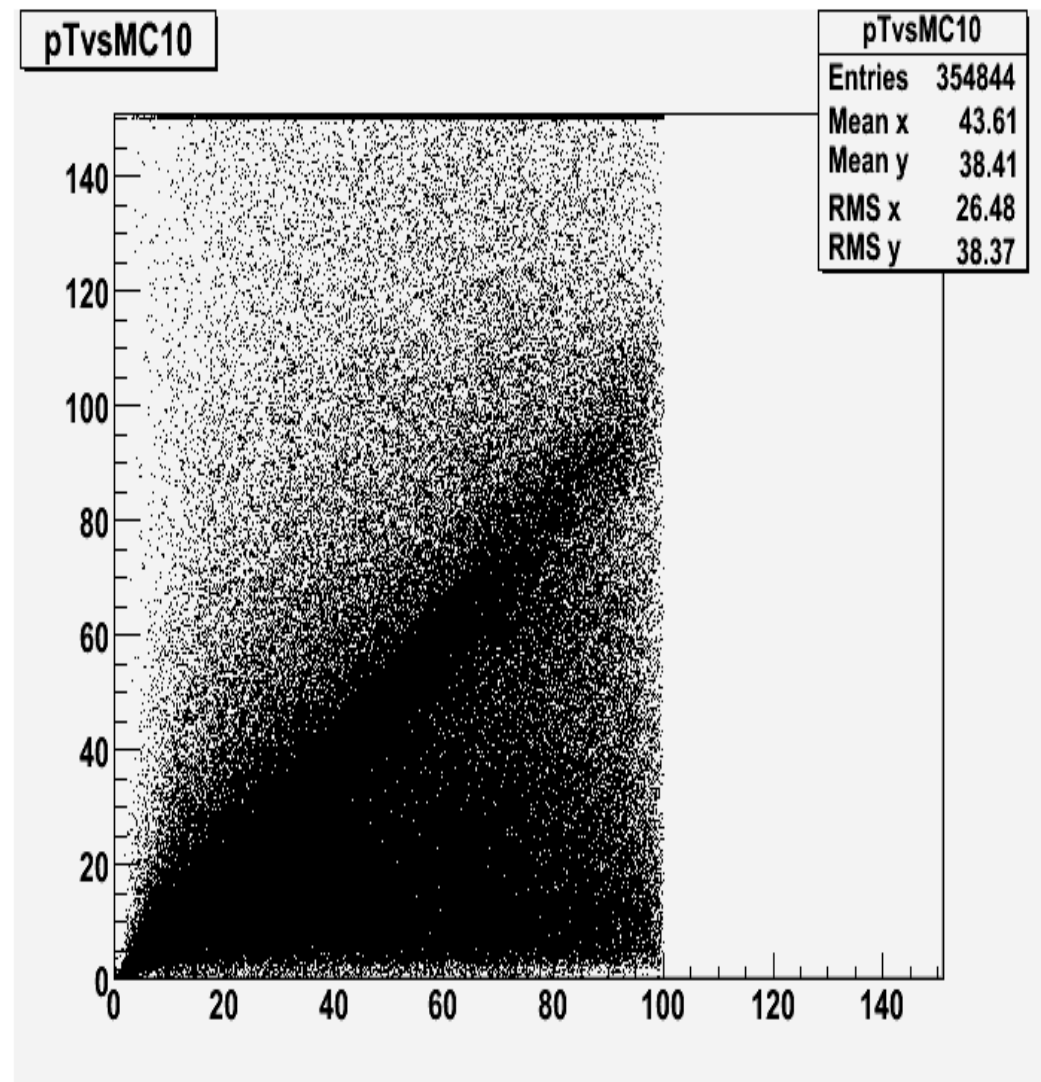
Cuts in Number of clusters of TPC



pT Generated vs Reco



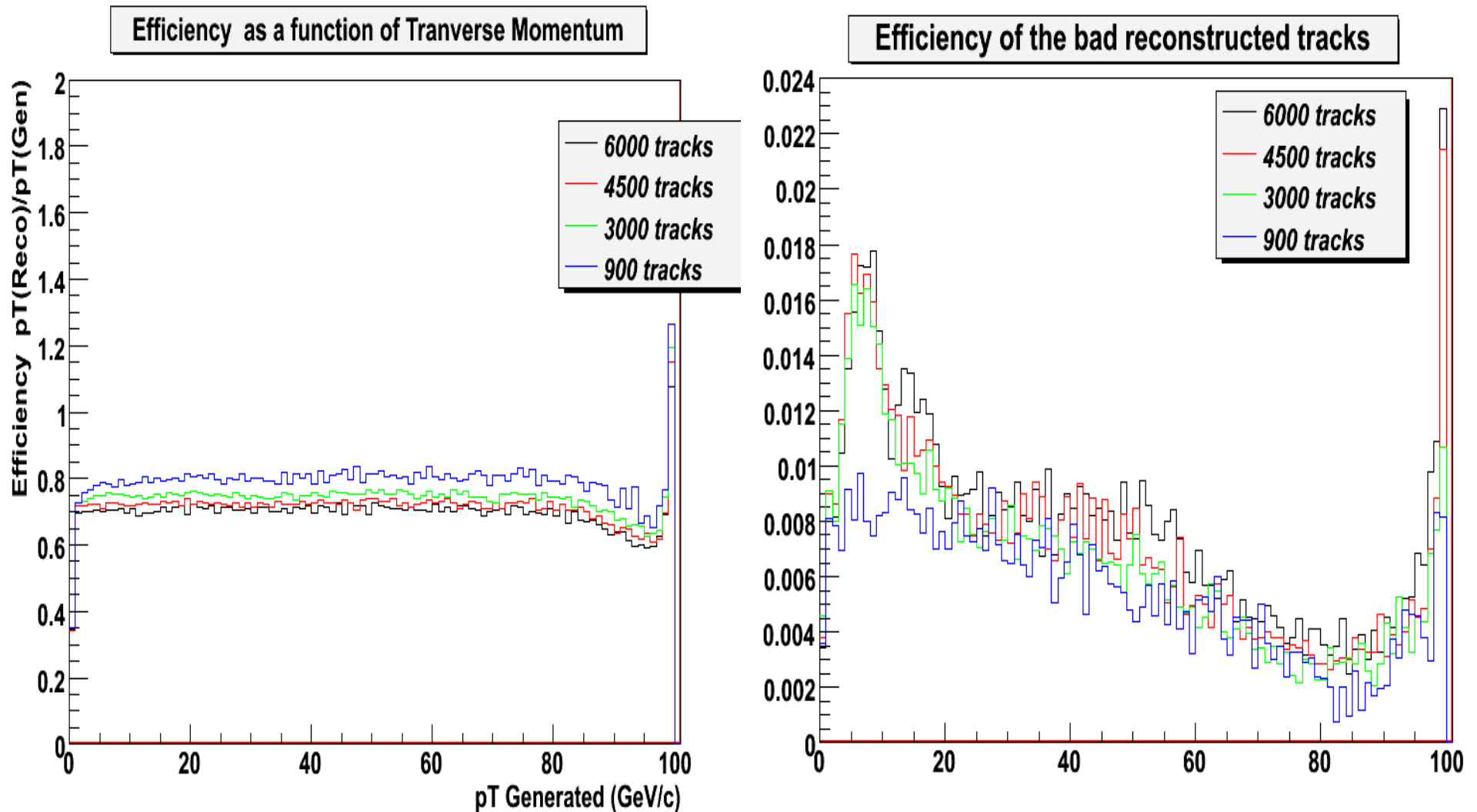
Accepted by the cuts



Rejected by the cuts

Efficiency as function of Multiplicity

Efficiency for different track multiplicities is shown. The number of tracks generated in eta range - 0.9 to 0.9



To do

- Use a realistic Monetum distribution to estimate contamination
- Make vertex constraint from tracking to discriminate in DCA
- Include secondary tracks