

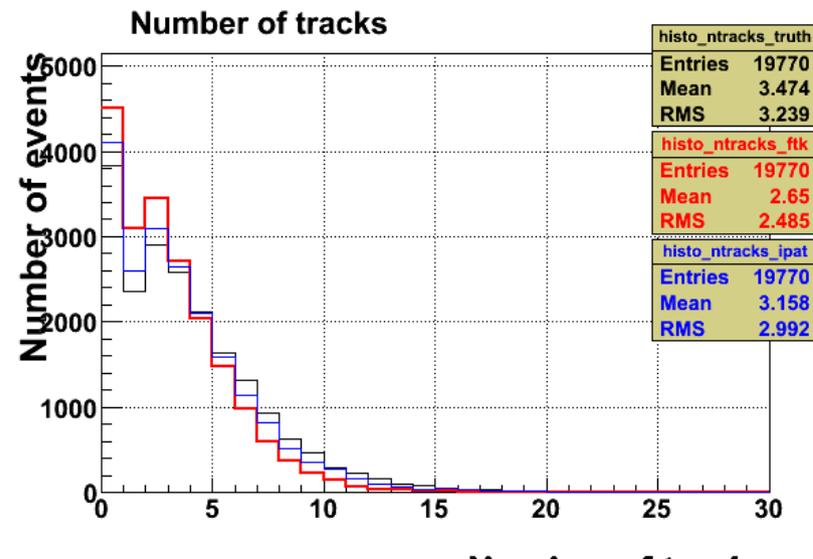
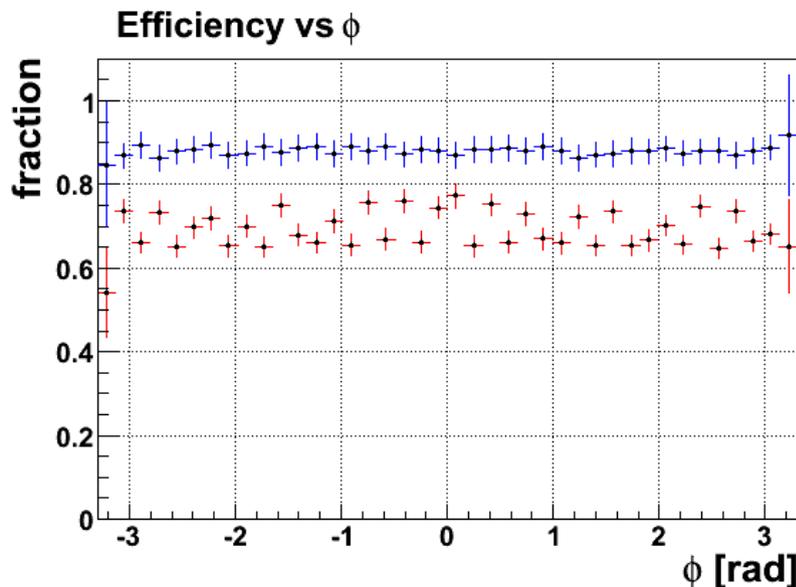
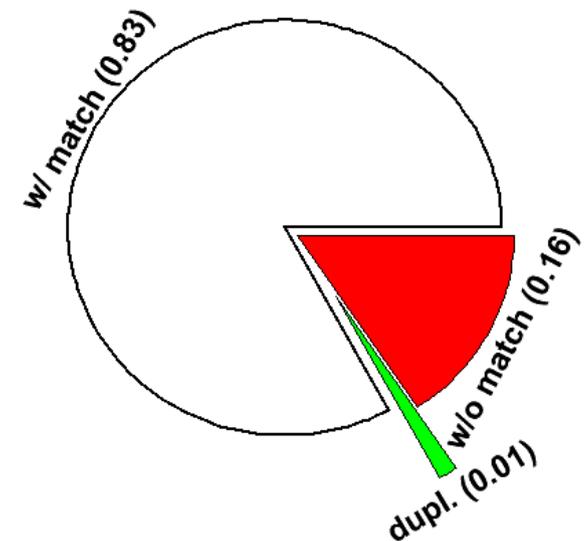
# FTKSim status: duplicated tracks

- We extend the search of similar tracks
- Two SP are the same within a distance of:
  - 2 mrad for x coordinates
  - 1.5 mm for z coordinates
- This eliminate a great number of duplicated tracks
- Reduce only of 1% the total efficiency
- There no effects over the resolution of parameters

# Dupl. tracks elimination in Bs-->mumu sample

FTK Tracks summary

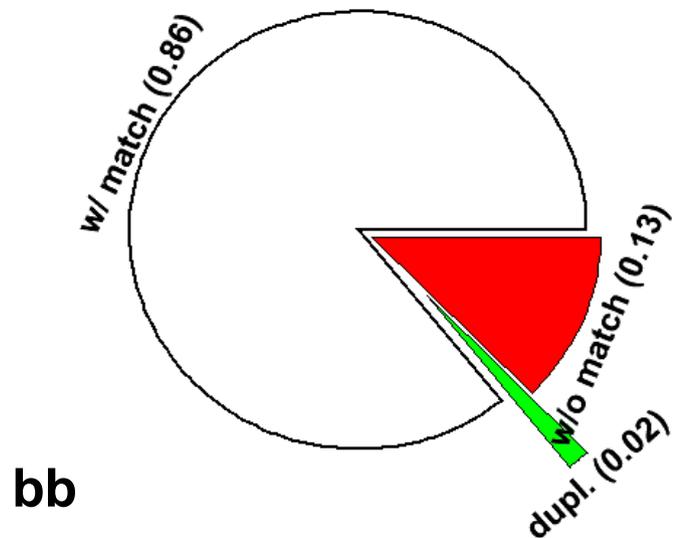
- The duplicated tracks now represent ~1% of total amount of tracks
- No effects over not associated tracks
- Probably other reasons



# WH->munuuu and WH->munubb samples

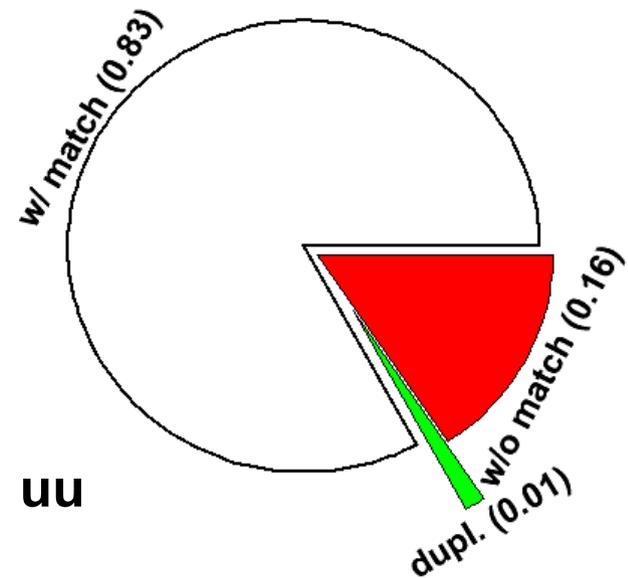
- Similar effects over dupl. tracks H->uu, bb samples

FTK Tracks summary



bb

FTK Tracks summary

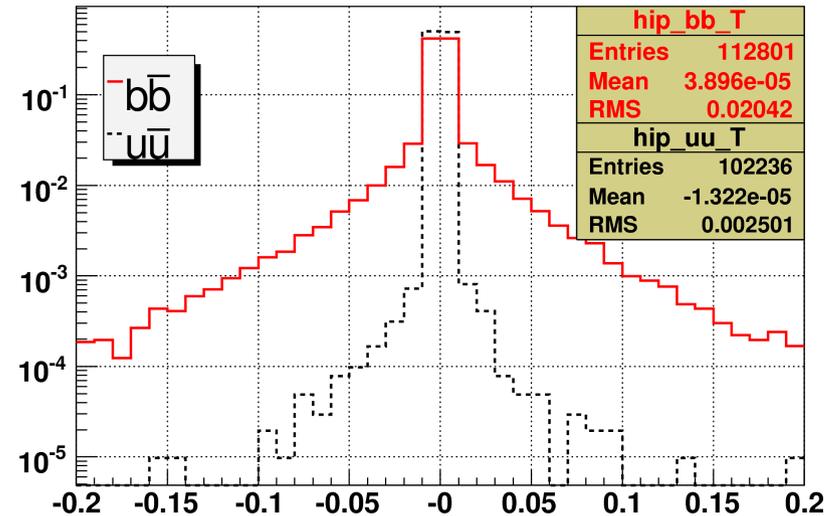


uu

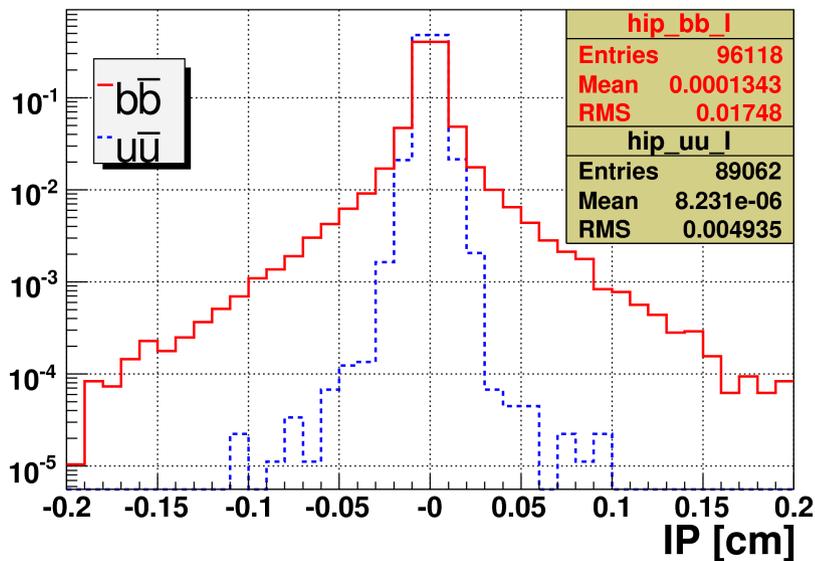
# IP distributions for Truth, iPatRec and FTK

- The d0 distribution for “all tracks” still have some problems confronting:  $H \rightarrow b\bar{b}, u\bar{u}$
- The problem is due to the d0 distribution of not associated tracks
- Under investigation, probably in the new training.

Impact Parameter Distribution



Impact Parameter Distribution iPat



Impact Parameter Distribution FTK

