

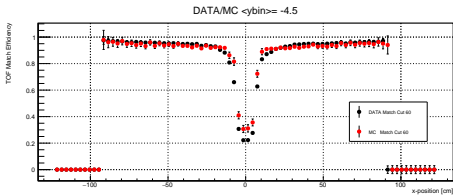
TOF hit matching

Benedikt Zihlmann

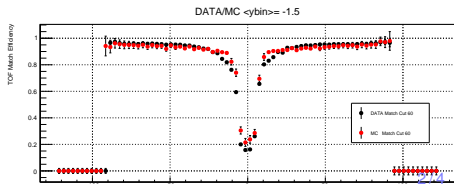
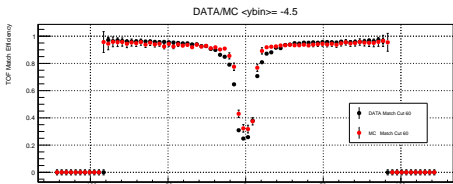
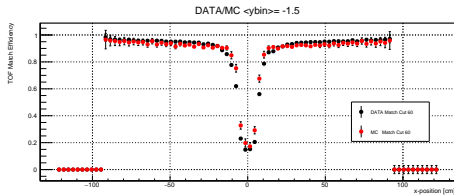
MC Data Comparison

Comparison DATA/MC with ± 6 cm cut and less stringent statistics cut on MC data:

At -4.5cm from the beam:



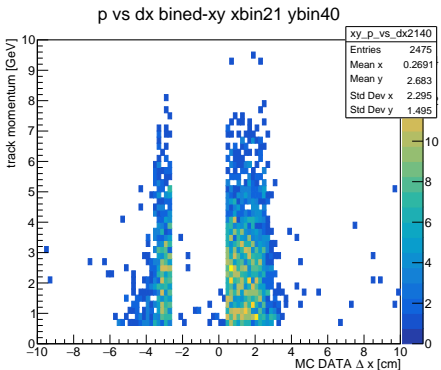
At -1.5cm from the beam:



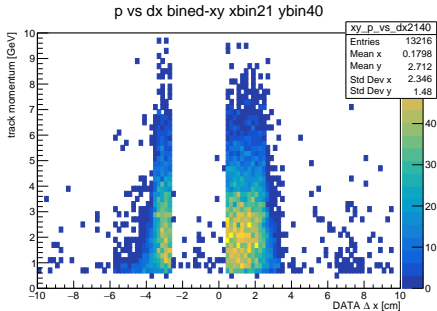
Gap in ToF Point Matches

Same behavior for both MC and real DATA:
Due to single ended paddle hits.

MC data binx21 biny40



Real Data binx21 biny40



To Do List

- more MC data (get same stat as real DATA)
- understand gap in Tof Point Match
- understand Tof points in the beam hole region.
- understand slope of efficiency towards beam hole in MC and DATA
- understand sharpness of efficiency drop near beam hole