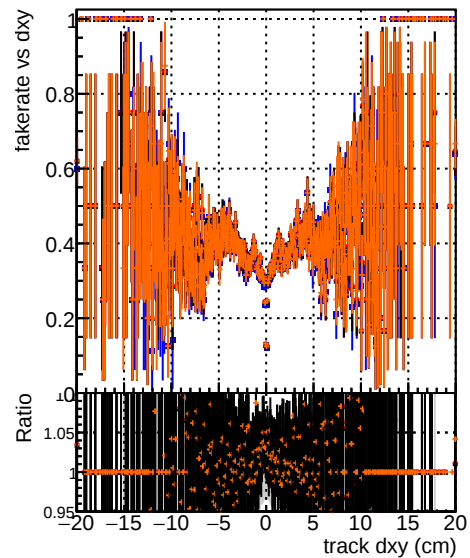
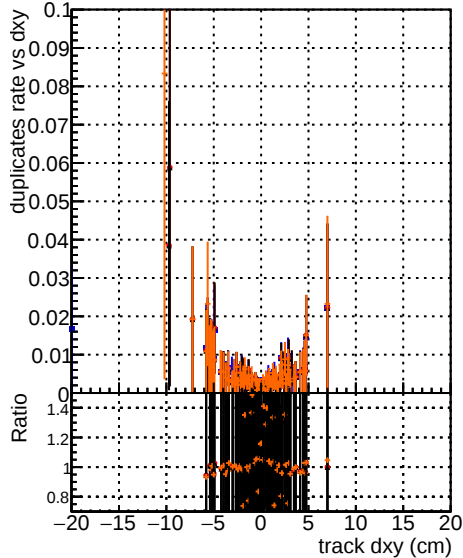
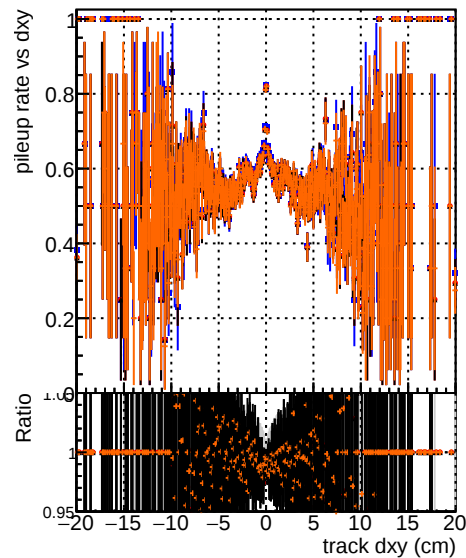
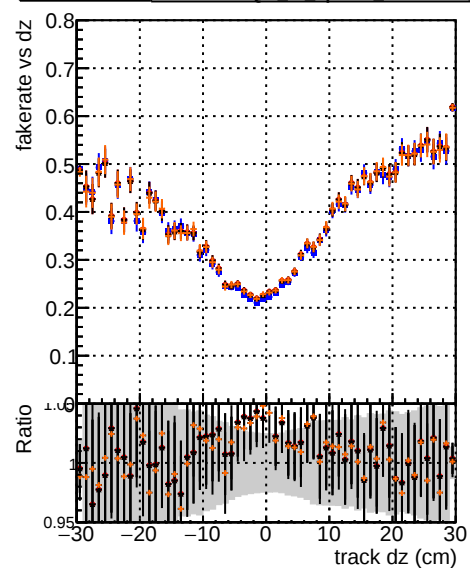
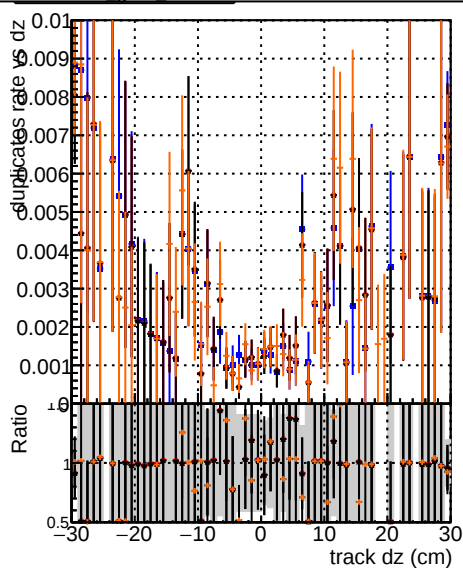
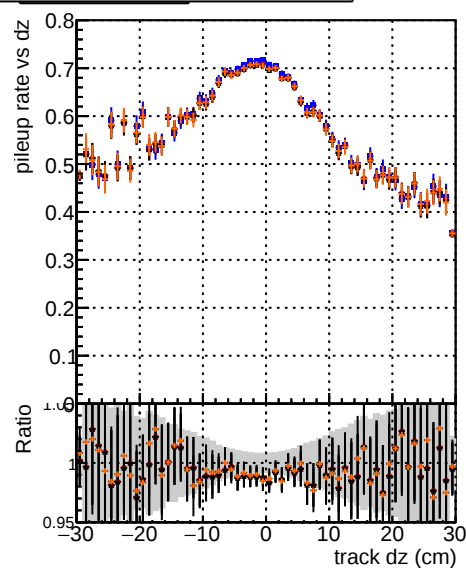


Fake rate vs dxy**Duplicates Rate vs Dxy****Pileup rate vs dxy****Fake rate vs dz****Duplicates rate vs dz****Pileup rate vs dz**

Legend: BQM original (blue), BQM original vector (orange), BQM original (black).
 BQM original vector 1000evt
 BQM original 1000evt
 BQM original vector 1000evt
 BQM original 1000evt