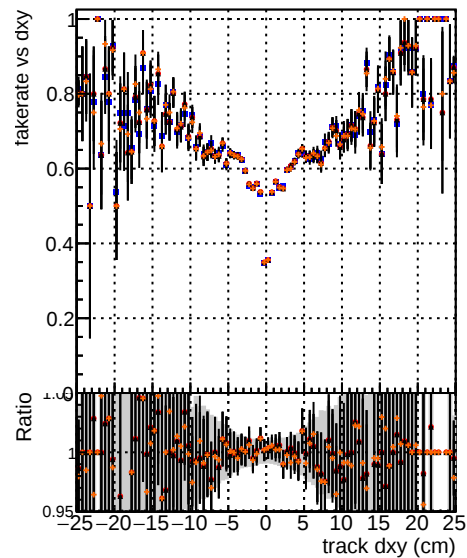
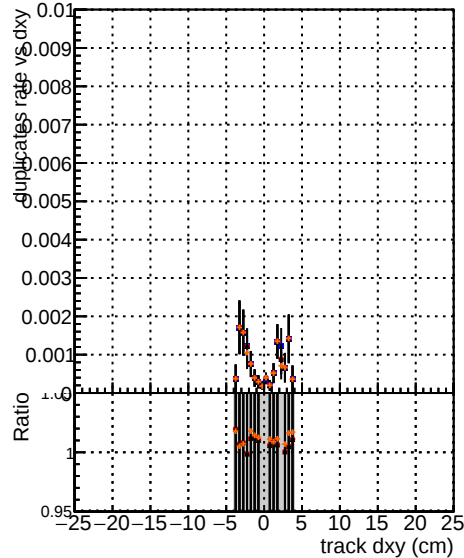


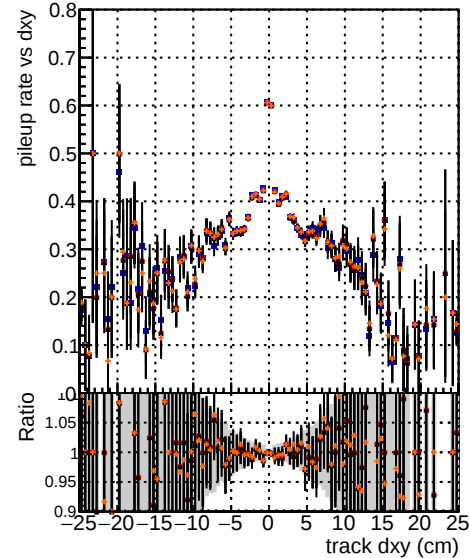
Fake rate vs dxy



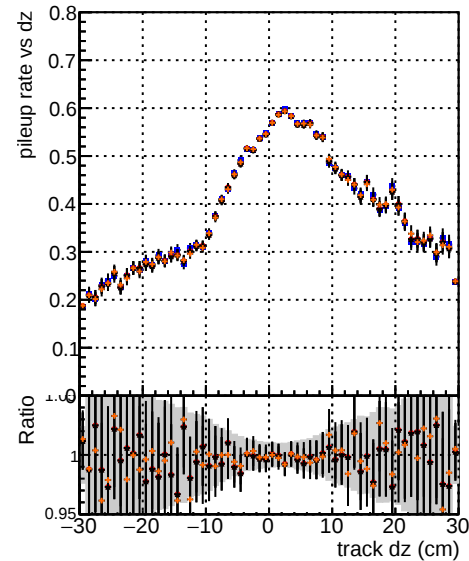
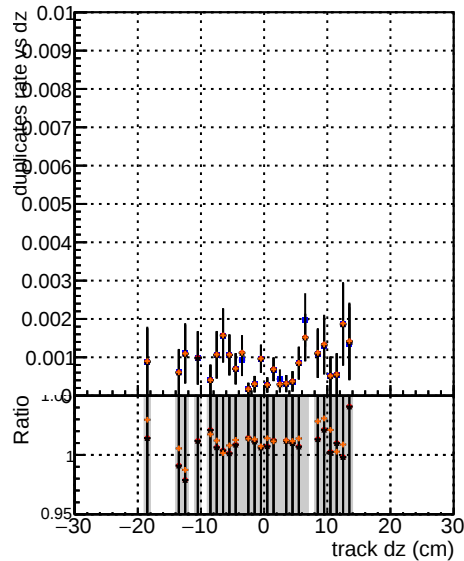
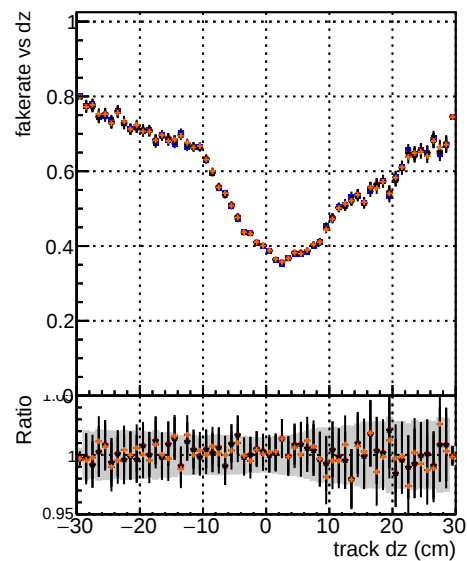
Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs dz



Legend:
 - Blue line: BSM
 - Orange line: BSM
 - Black line: original
 - Grey line: 2019 PU
 - Red line: 2018 PU