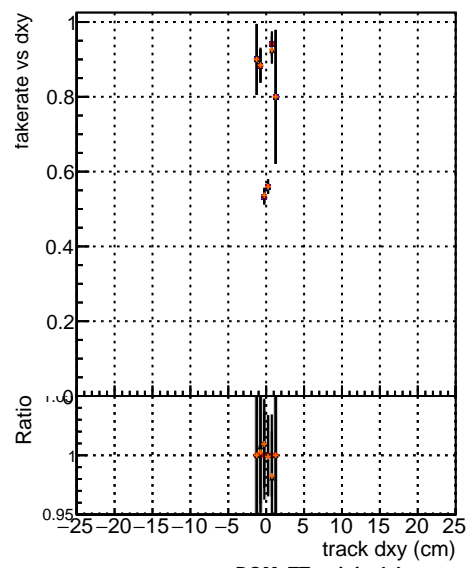
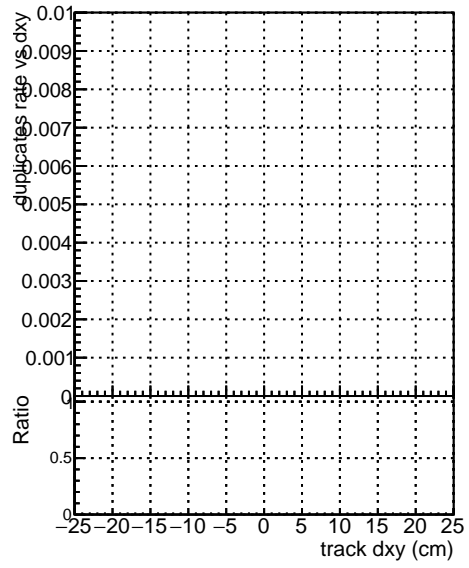
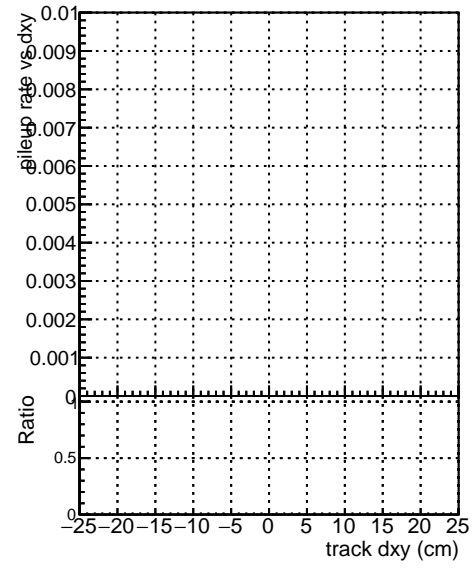
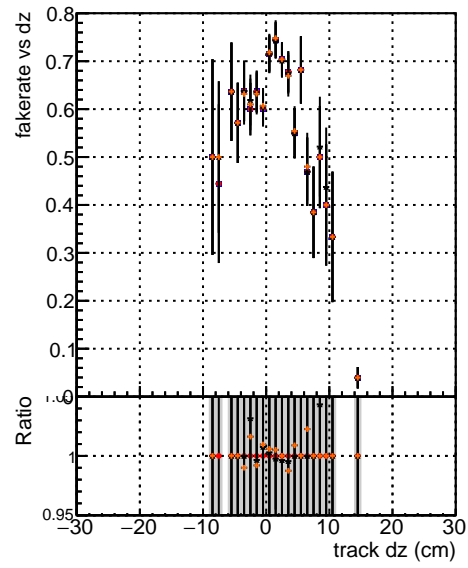
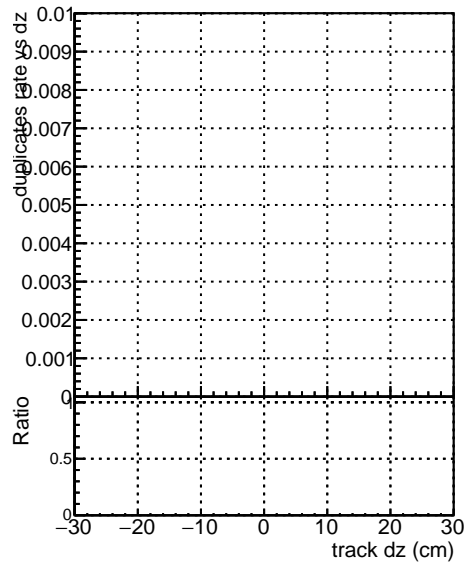
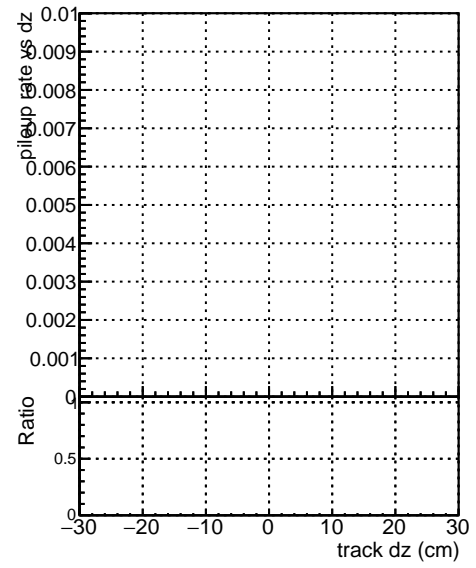


Fake rate vs dxy**Duplicates Rate vs Dxy****Pileup rate vs dxy****Fake rate vs dz****Duplicates Rate vs Dzy****Pileup rate vs dzy**

BGM original_lowpt
 BGM newbranch_lowpt
 BGM newbranch_lowpt_less