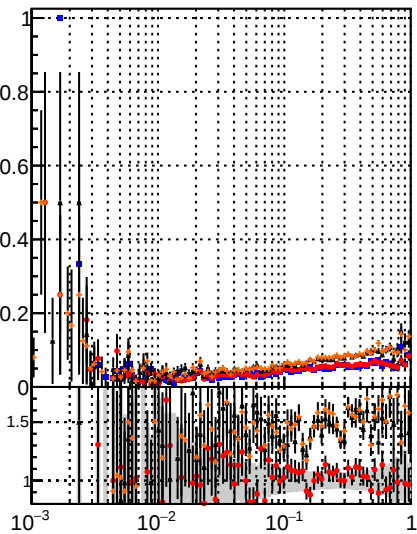
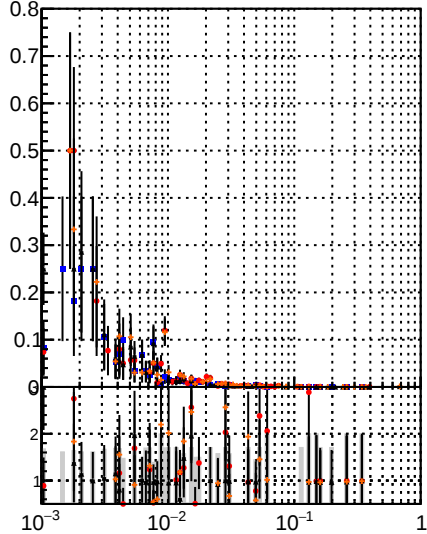


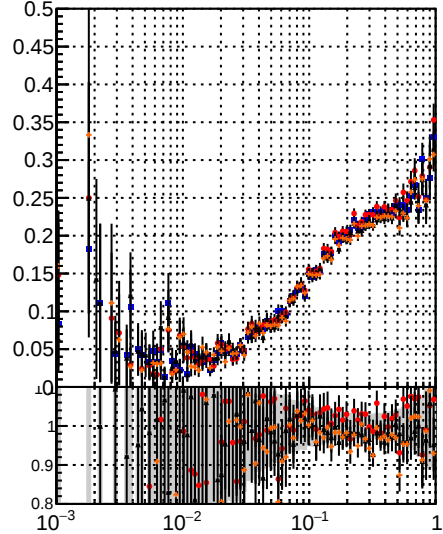
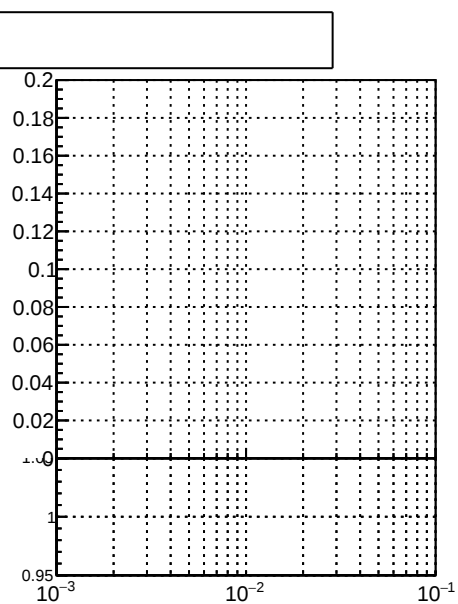
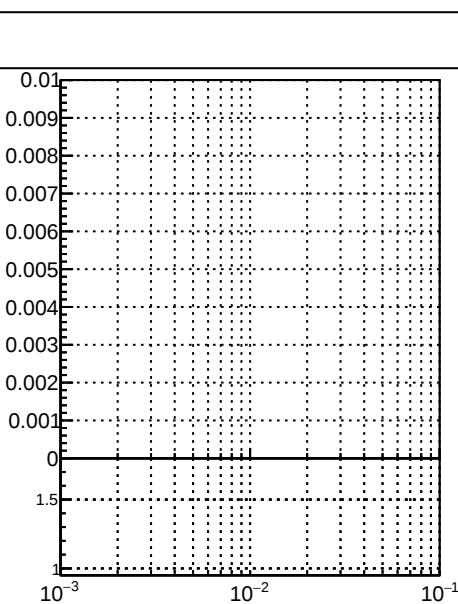
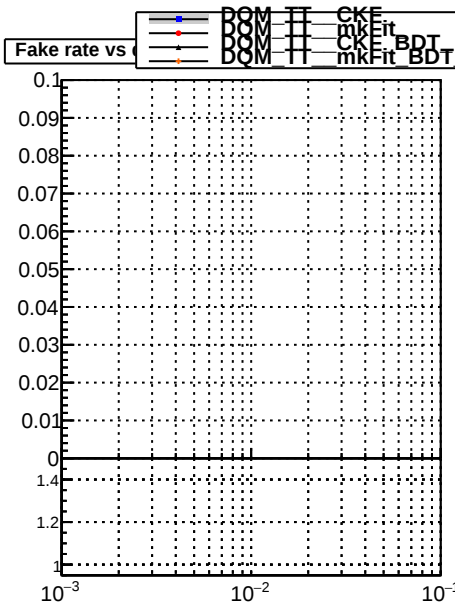
Fake rate vs dr



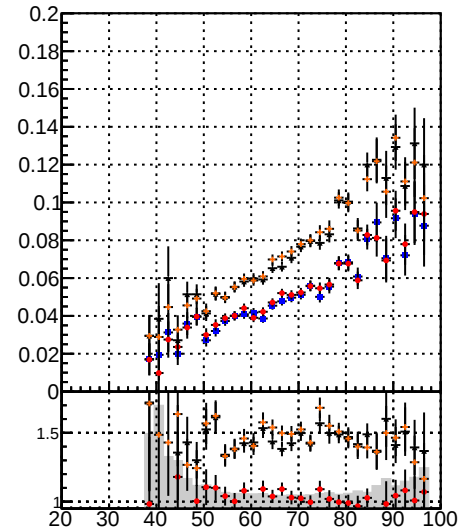
Duplicates Rate vs dr



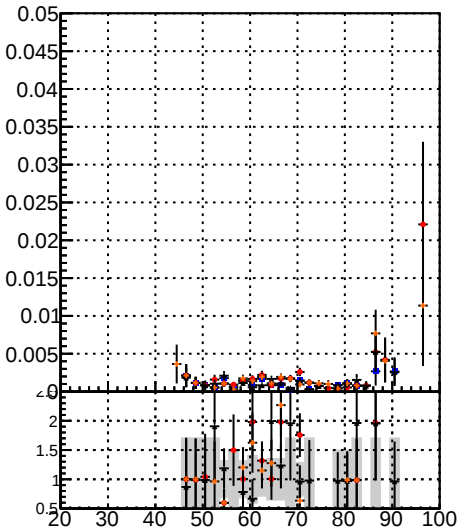
Pileup rate vs dr

Fake rate vs $\sqrt{s}$ 

Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

