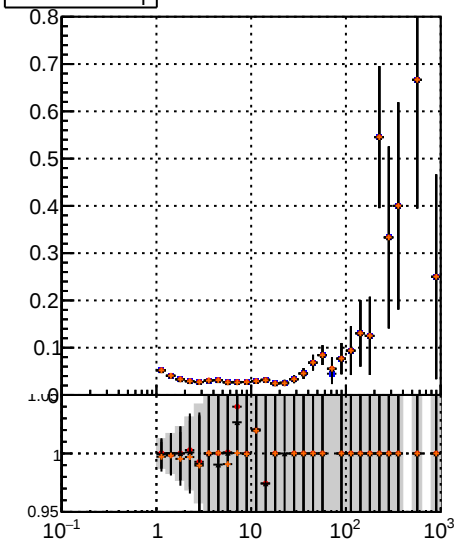
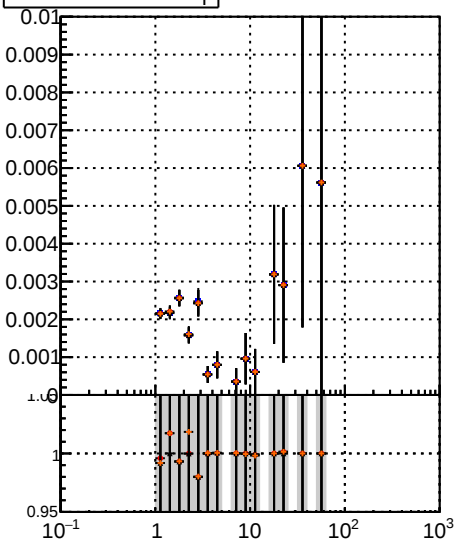
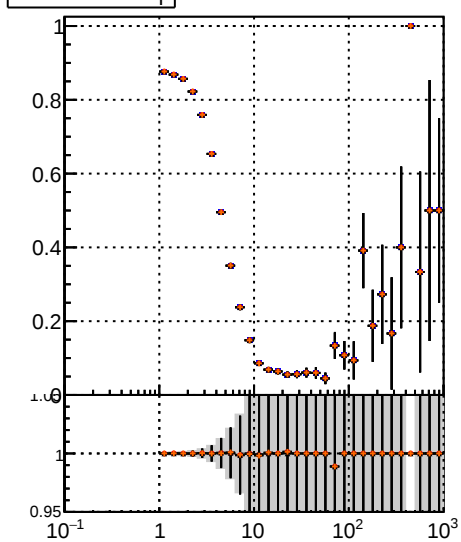
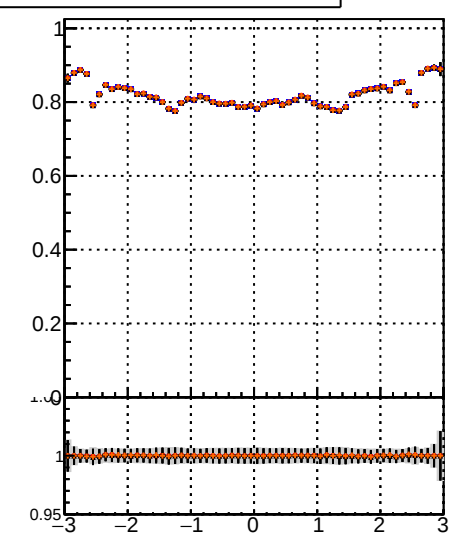
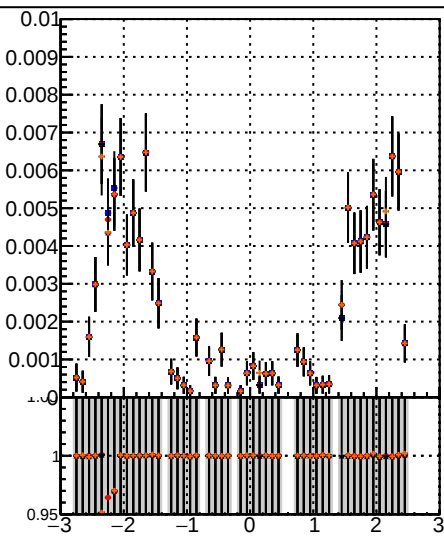
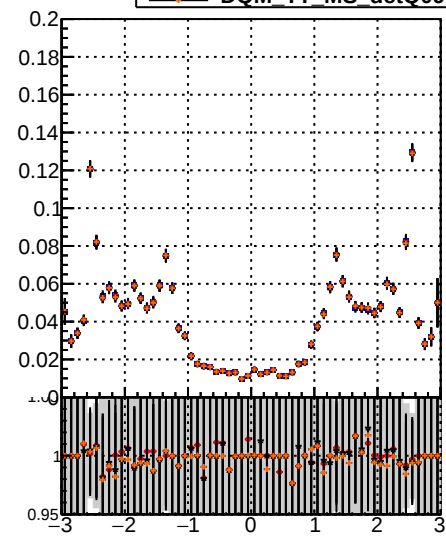
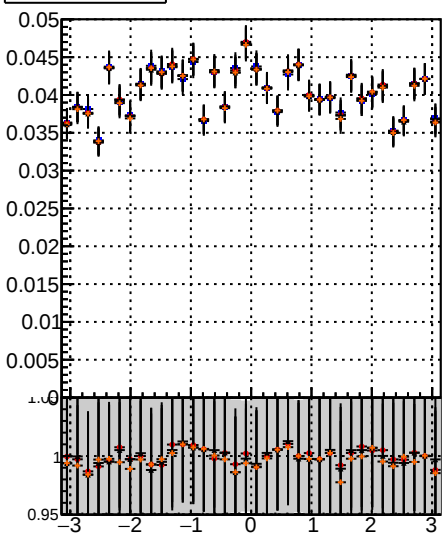
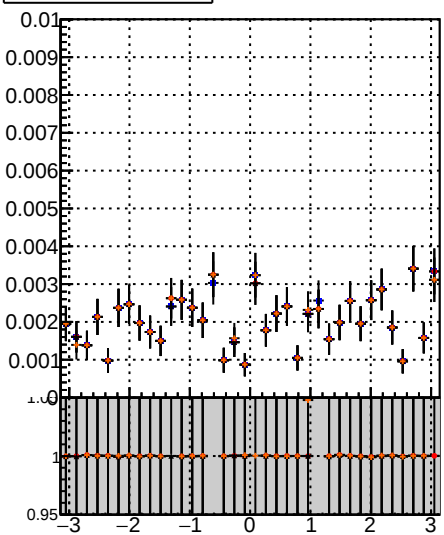


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Q_1 Q_2 Q_3
 Q_1 Q_2 Q_3
 Q_1 Q_2 Q_3

Fake rate vs ϕ Duplicates Rate vs ϕ Pileup rate vs ϕ 