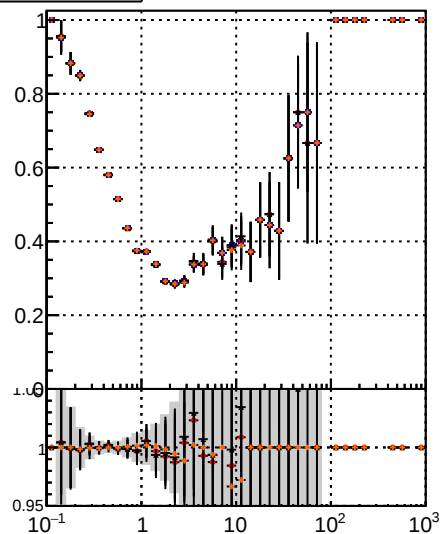
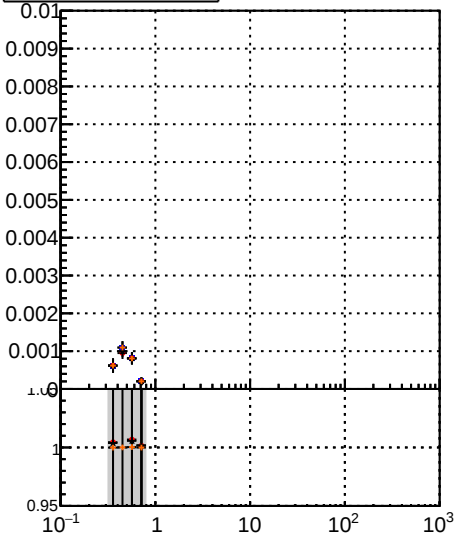
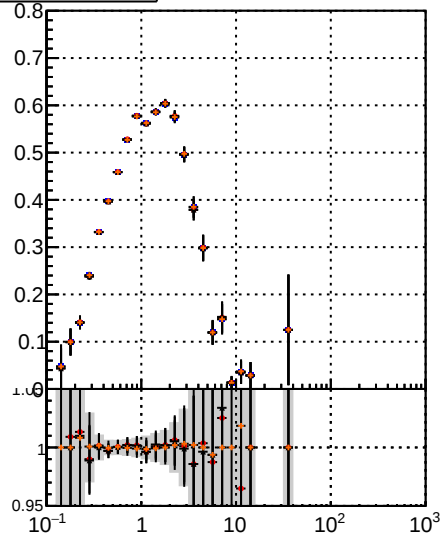
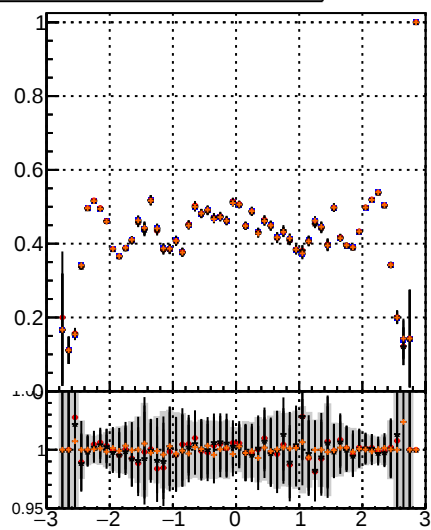
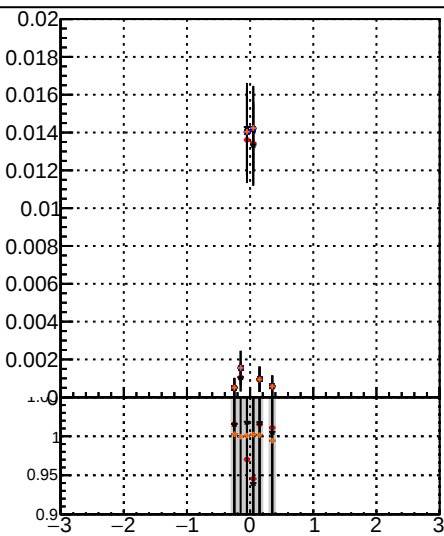
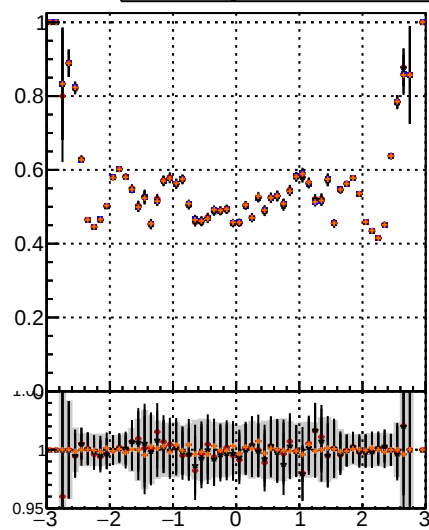
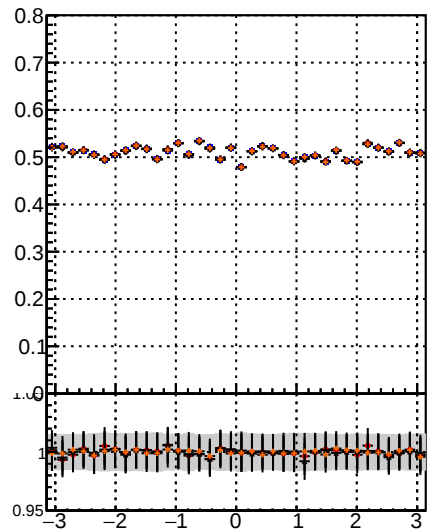
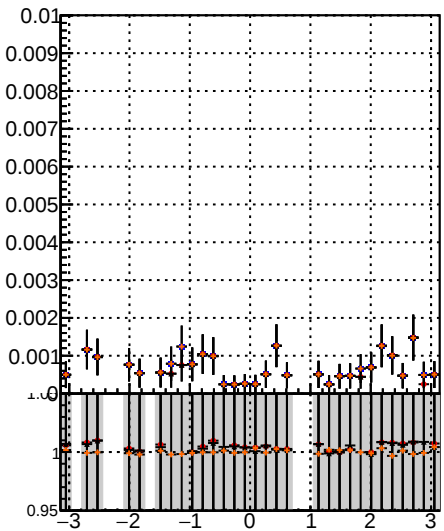


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

BQM TT MS detT
 BQM TT MS detT-dpdg
 BQM TT MS detT-chi2

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