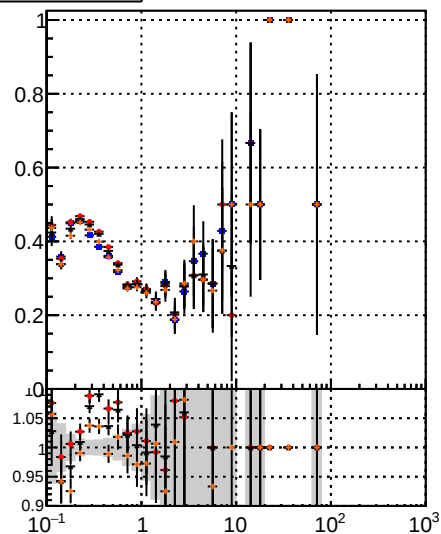
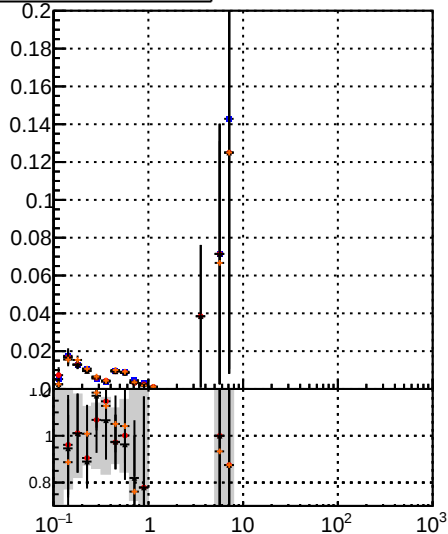
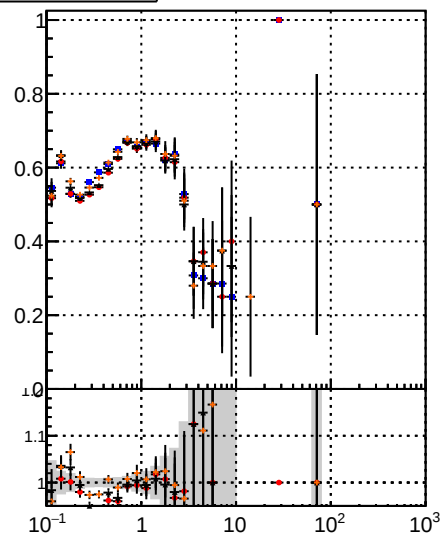
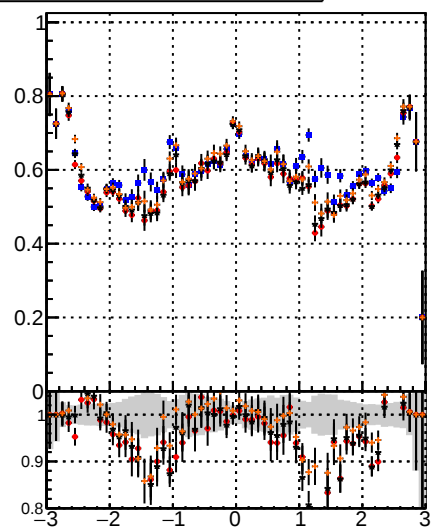
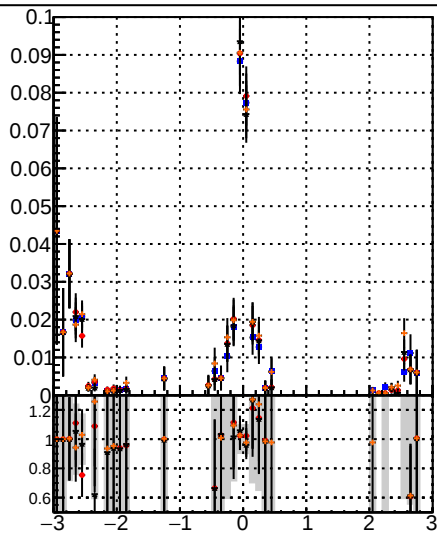
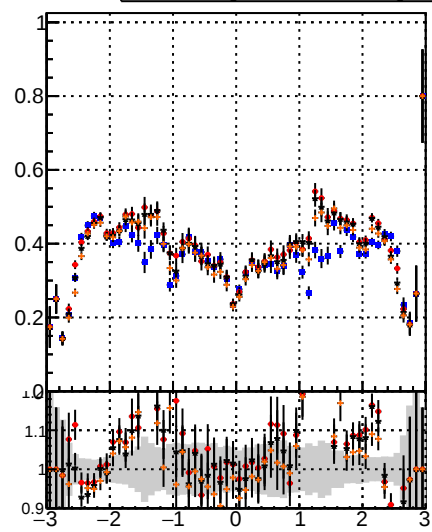
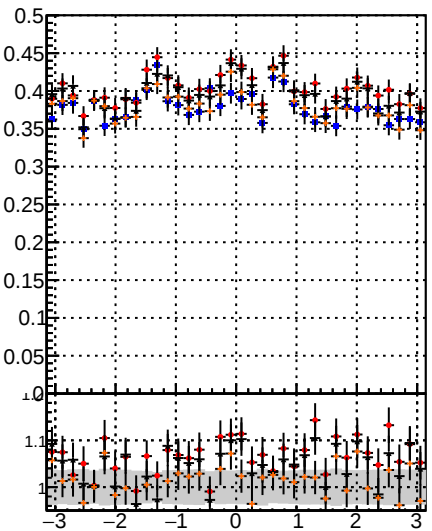
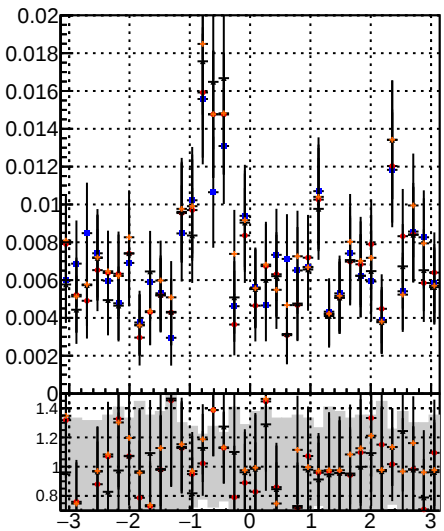


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

BQM TT MS
 BQM TT MS
 BQM TT MS
 detO
 detO1
 detO9

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