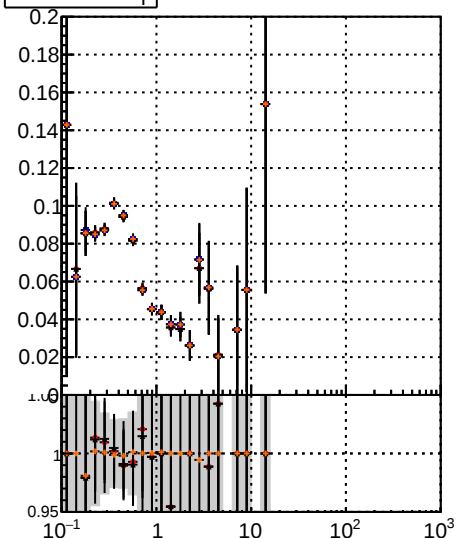
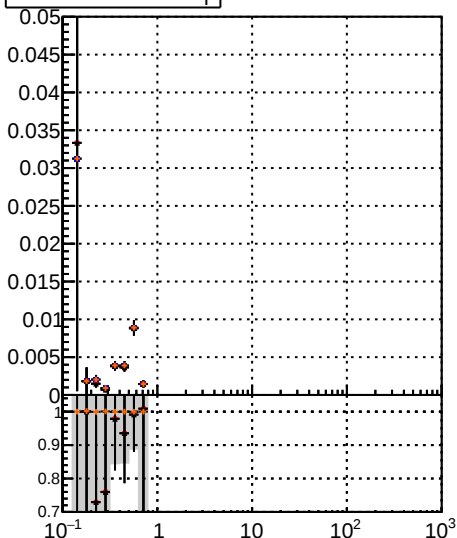
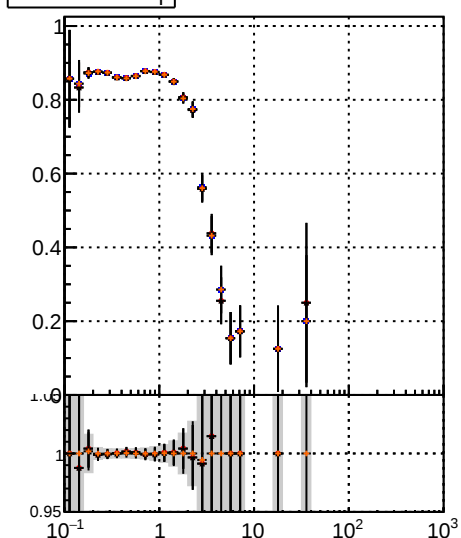
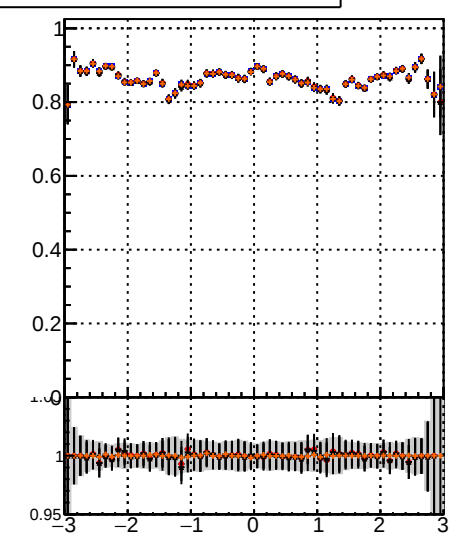
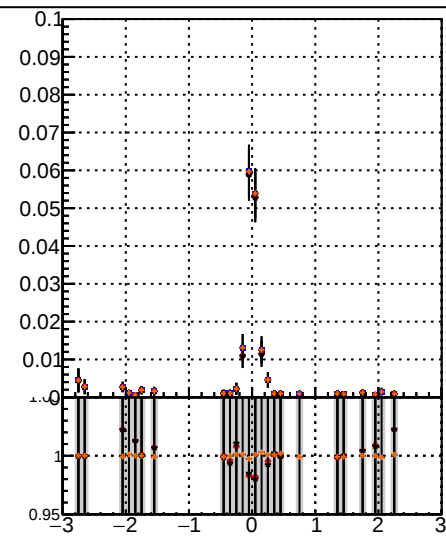
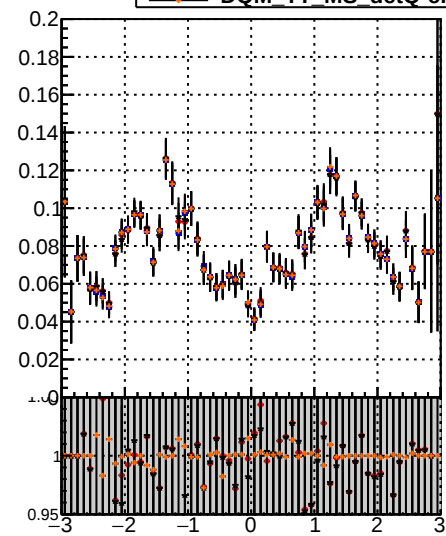
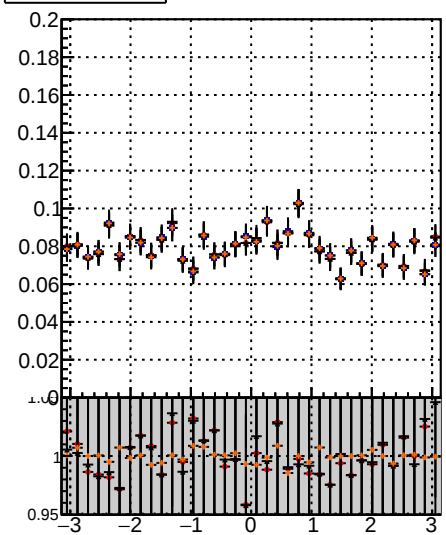
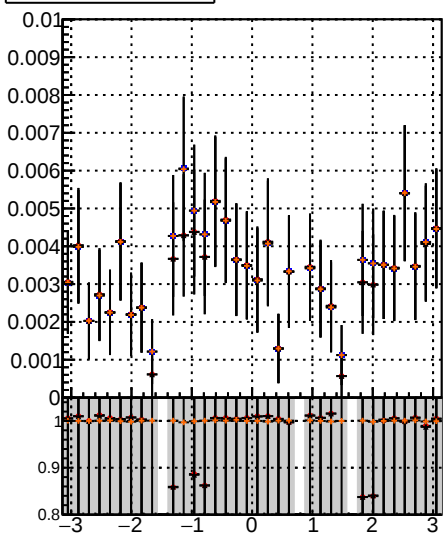


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

MS_{det0} (blue squares)
 $MS_{det0-dndq}$ (red circles)
 $MS_{det0-chiz}$ (orange triangles)
 MS_{det0} (black circles)

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