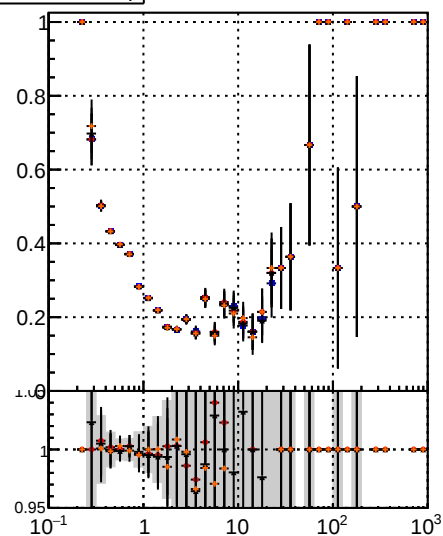
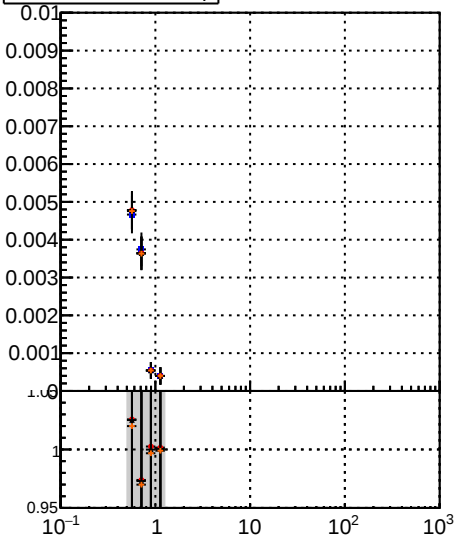
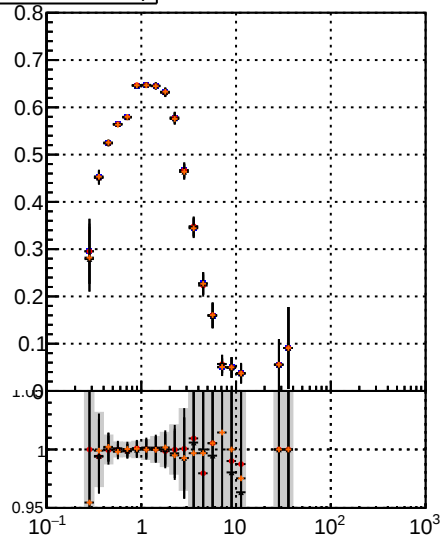
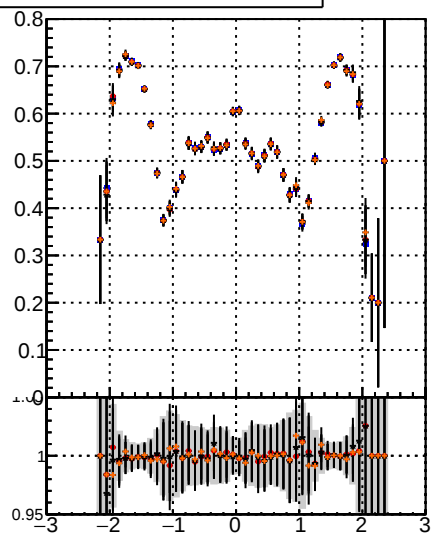
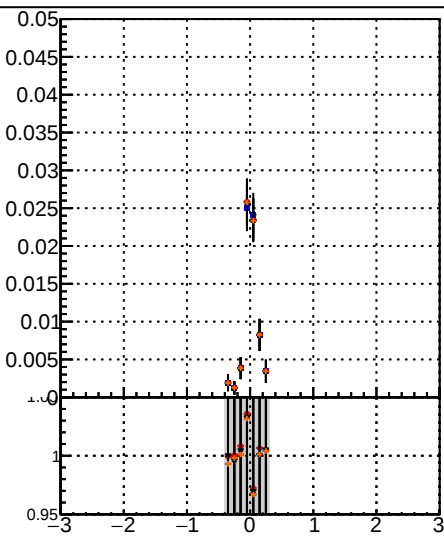
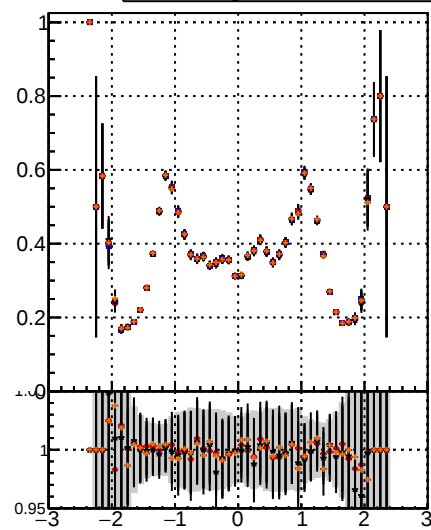
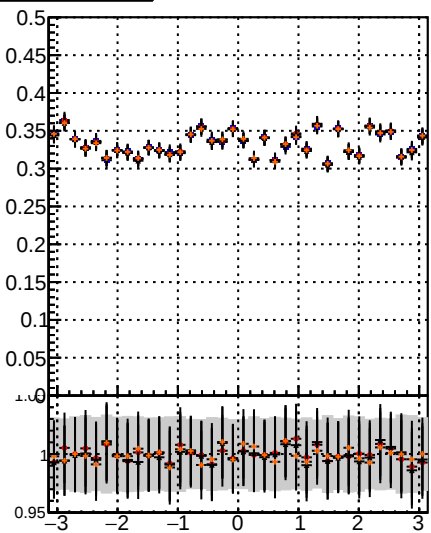
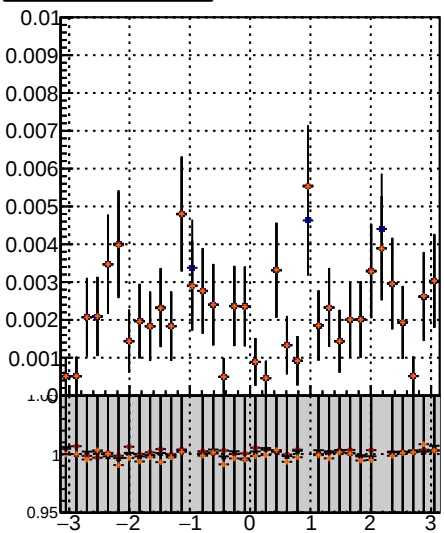


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Legend for the top row of plots:

- BQM TT MS detT
- BQM TT MS detL1
- BQM TT MS detT09

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