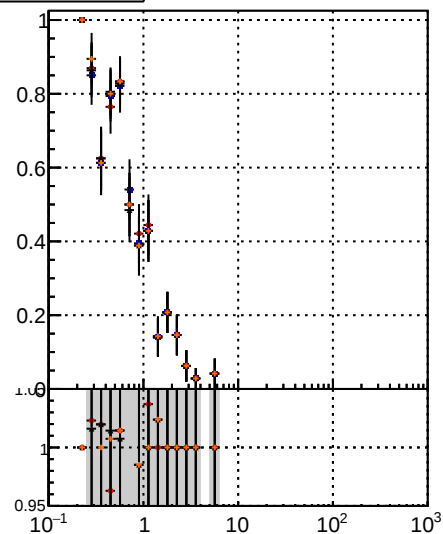
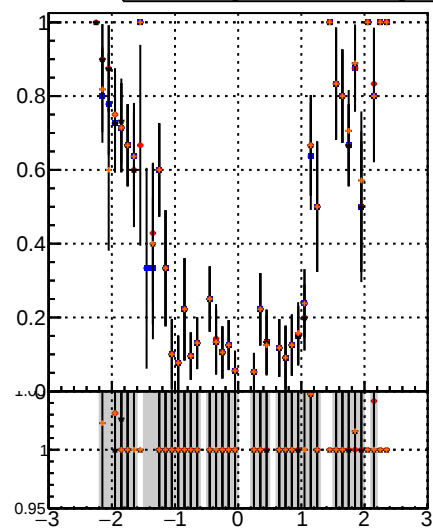
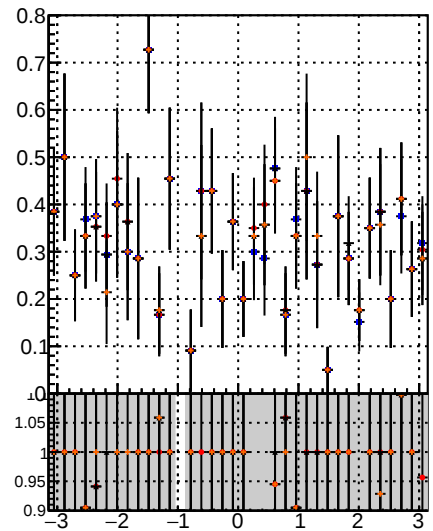


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Legend for Fake rate vs p_T , Duplicates Rate vs p_T , and Pileup rate vs p_T :

- Blue line with circles: BQM TT MS det0
- Red line with circles: BQM TT MS det01
- Orange line with circles: BQM TT MS det09

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