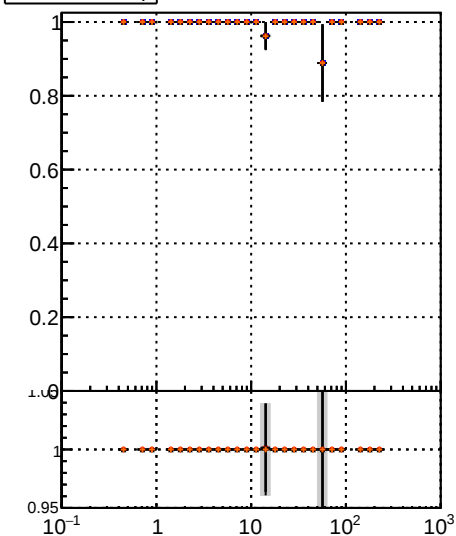
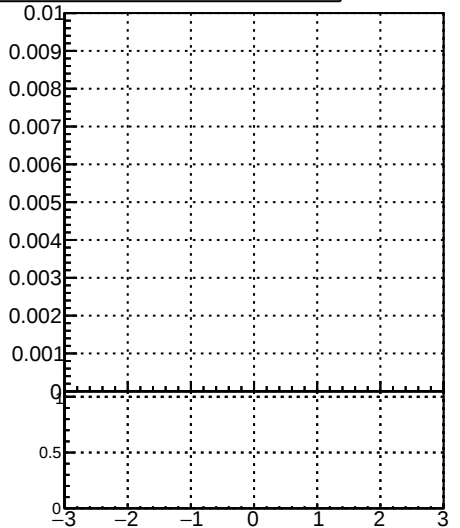
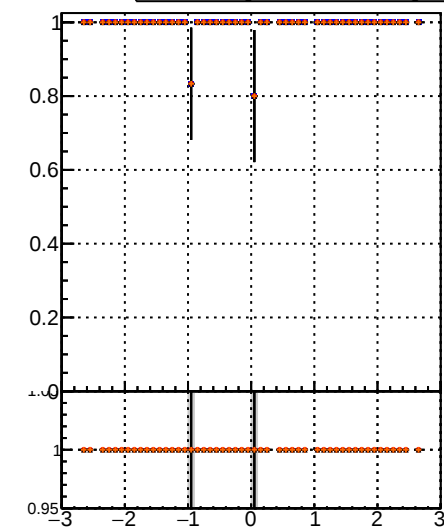
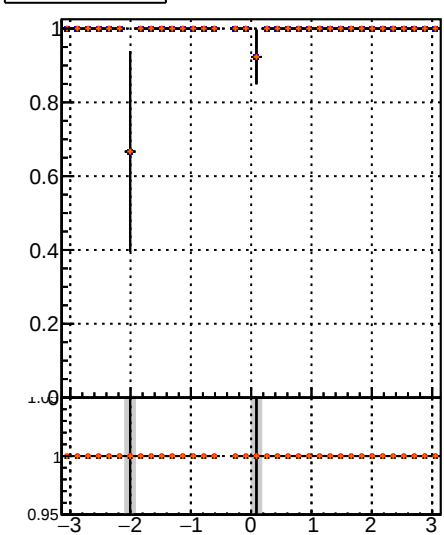


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Legend for Fake rate vs p_T :

- Blue line: $BQM \rightarrow TT \rightarrow MS$
- Red line: $BQM \rightarrow TT \rightarrow MS$
- Black line: $BQM \rightarrow TT \rightarrow MS$
- Orange line: $BQM \rightarrow TT \rightarrow MS$

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