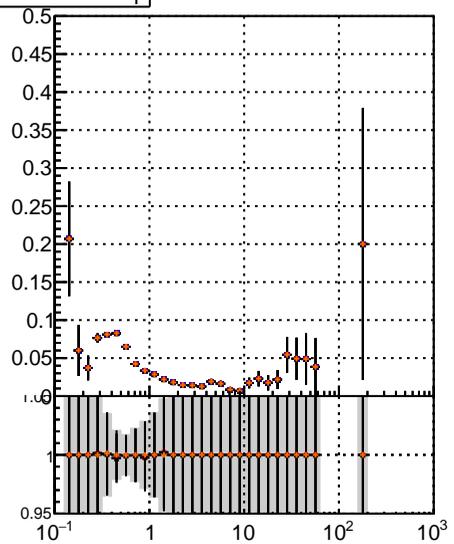
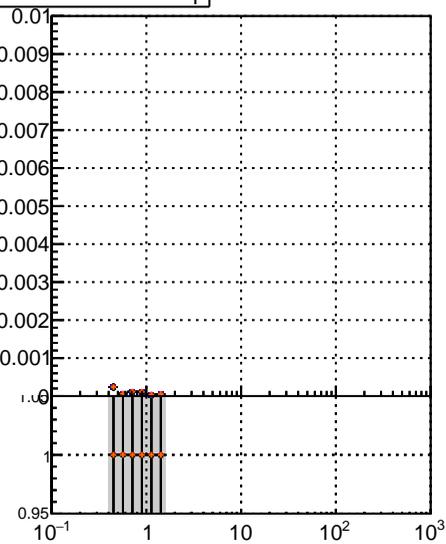
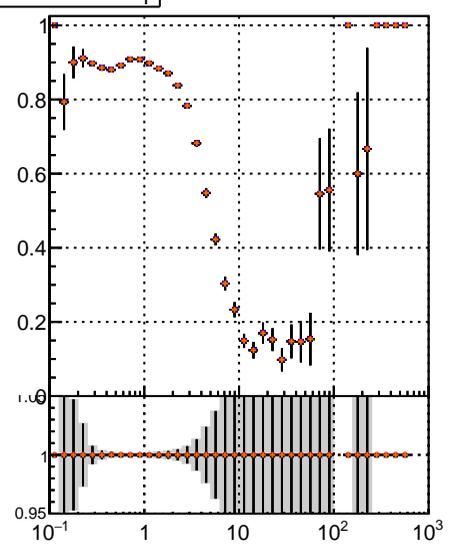
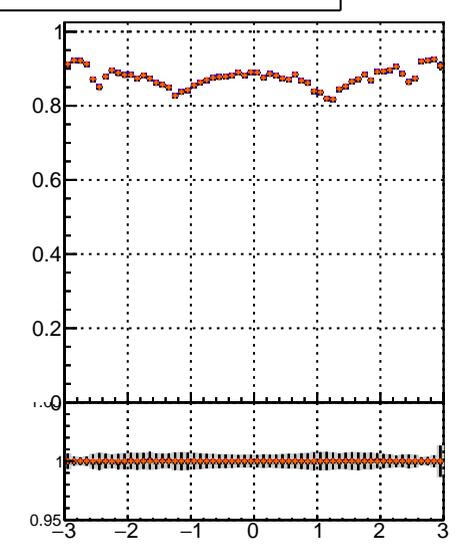
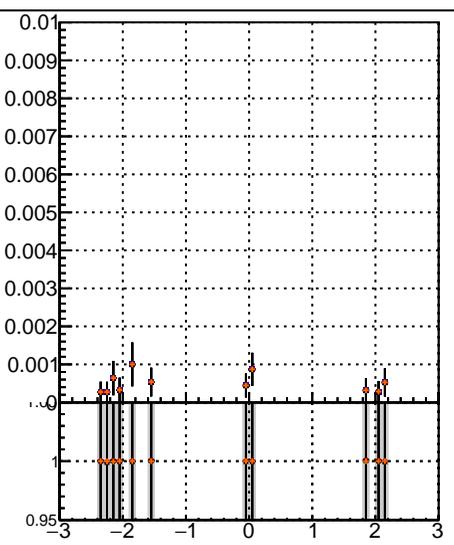
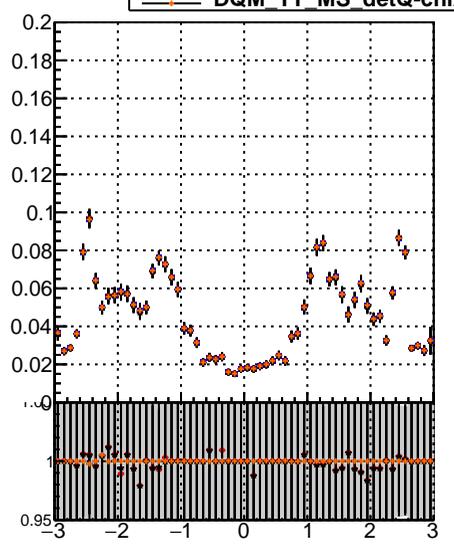
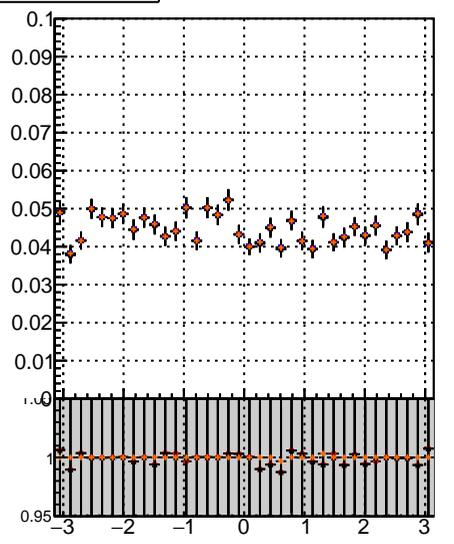
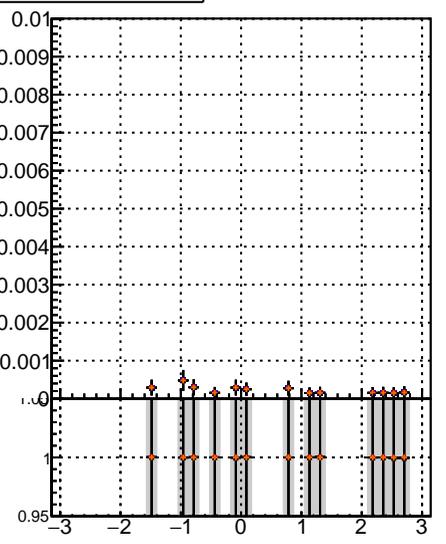


Fake rate vs p_T **Duplicates Rate vs p_T** **Pileup rate vs p_T** 

Legend for the plots:

- Blue line: $\text{dQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detQ} \rightarrow \text{chiz}$
- Red line: $\text{dQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detQ} \rightarrow \text{chiz}$
- Black line: $\text{dQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detQ} \rightarrow \text{chiz}$

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