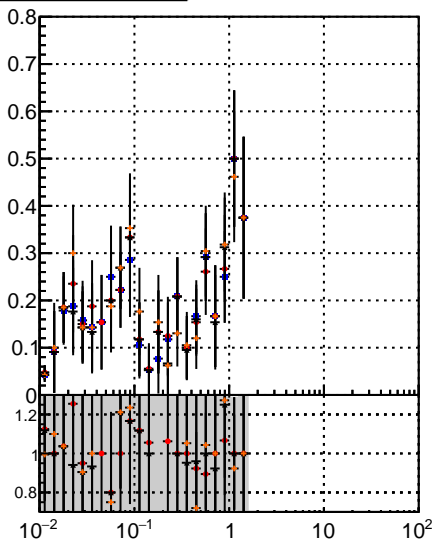
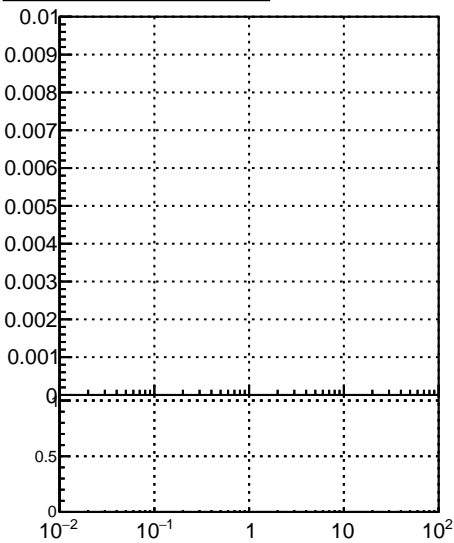
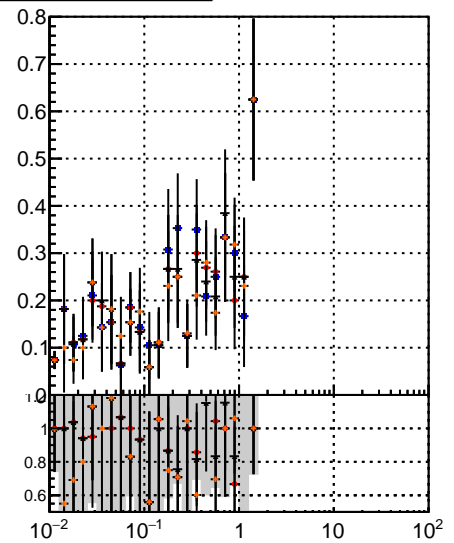
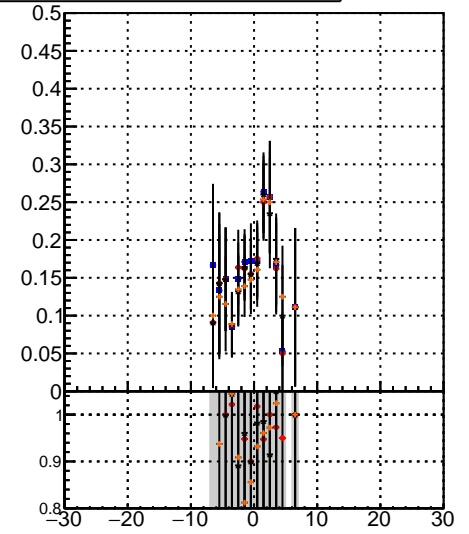
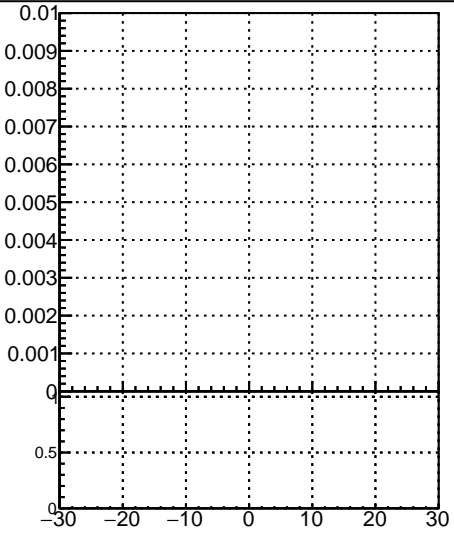
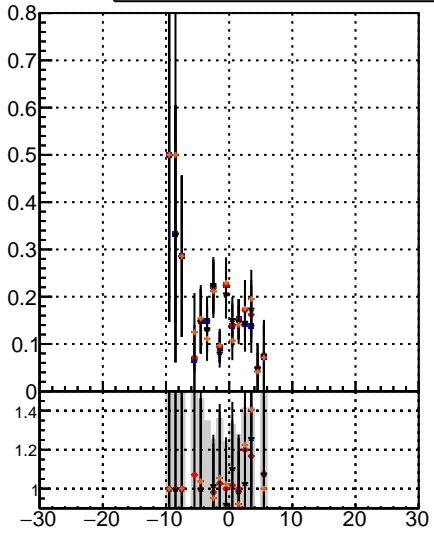
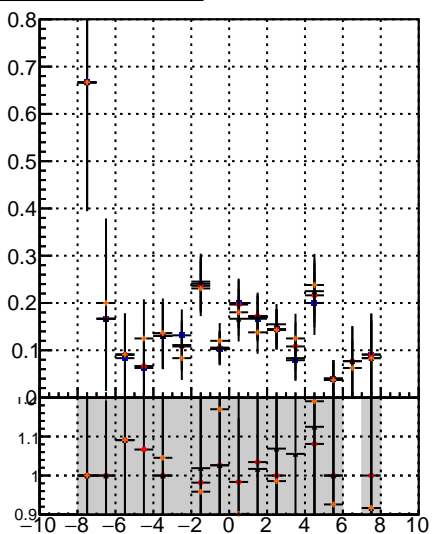
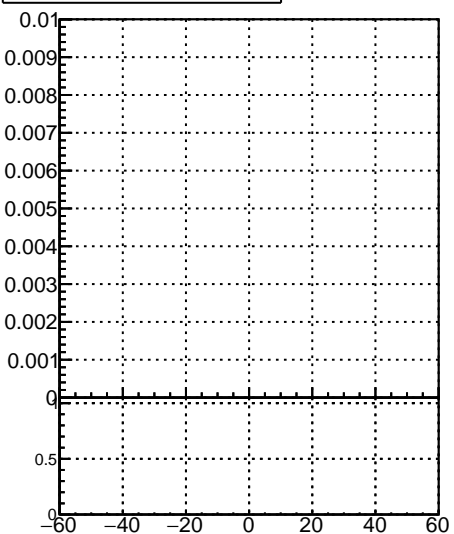


**Fake rate vs vertpos****Duplicates Rate vs vertpos****Pileup rate vs vertpos**
**Fake rate vs  $\nu$** 

—●—	DQM	TT	MS	detT
—●—	DQM	TT	MS	detT1
—●—	DQM	TT	MS	detT09

**Fake rate vs. sim PV z****Duplicates Rate vs sim PV z****Pileup rate vs. sim PV z**