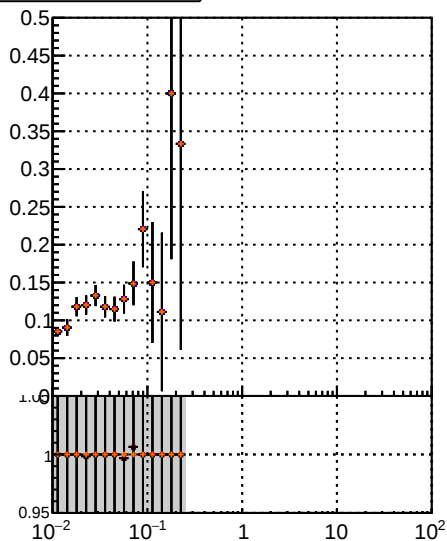
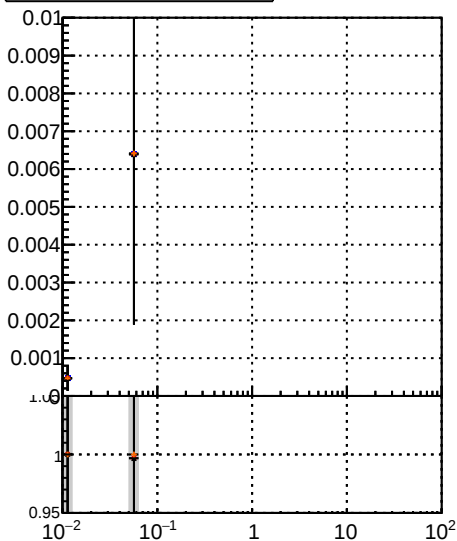


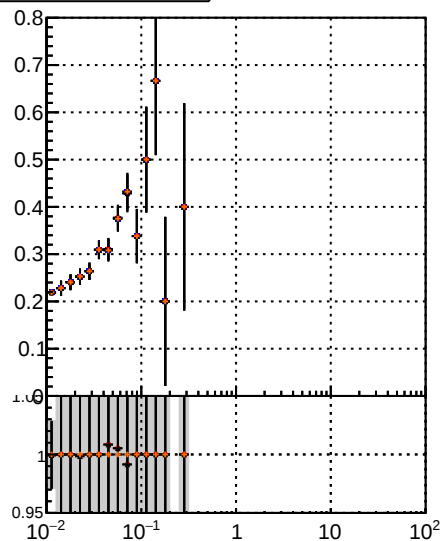
Fake rate vs vertpos



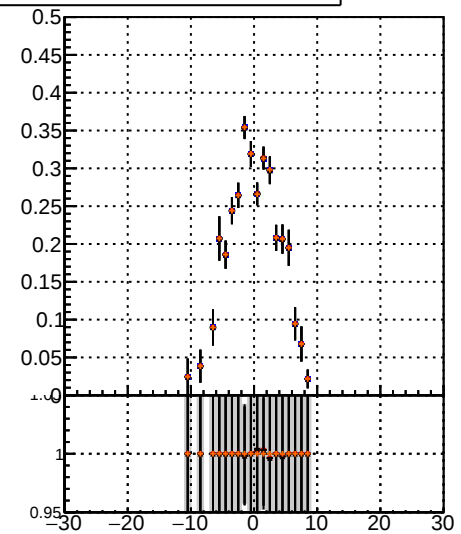
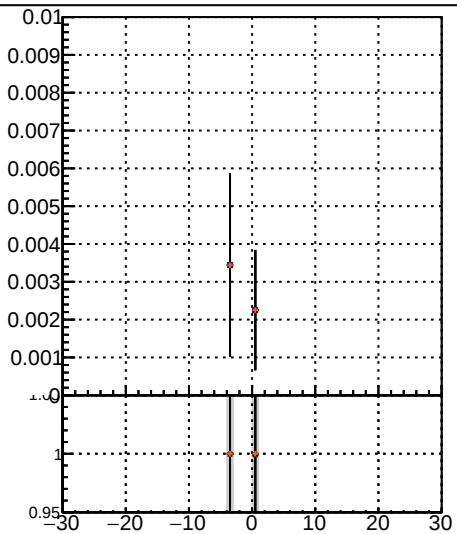
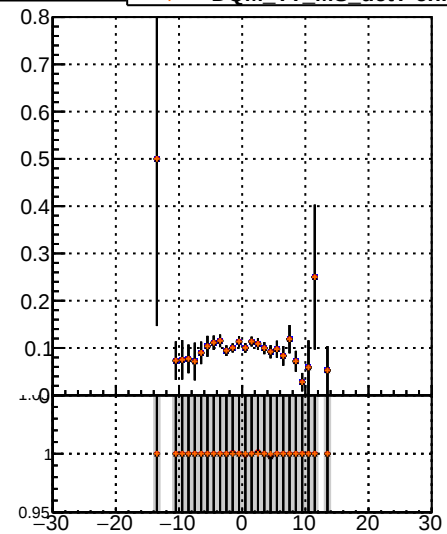
Duplicates Rate vs vertpos



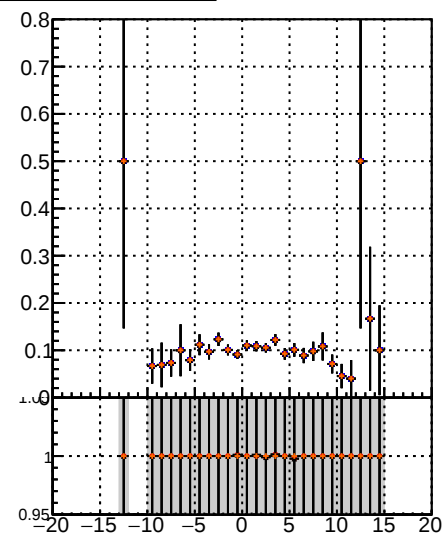
Pileup rate vs vertpos


 Fake rate vs $\sqrt{s}$

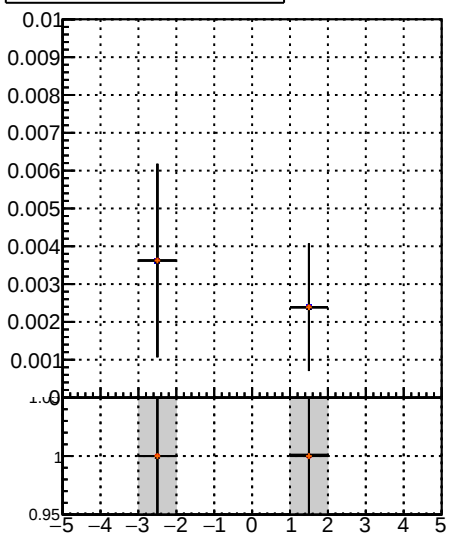
Decay Channel	Color	Symbol
BOM TT MS	Blue	Circle
BOM TT MS	Red	Circle
BOM TT MS	Black	Circle
BOM TT MS	Orange	Circle
detT	Blue	Circle
detT	Red	Circle
detT	Black	Circle
detT	Orange	Circle
dpdq	Blue	Circle
dpdq	Red	Circle
dpdq	Black	Circle
dpdq	Orange	Circle
chi2	Blue	Circle
chi2	Red	Circle
chi2	Black	Circle
chi2	Orange	Circle



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

