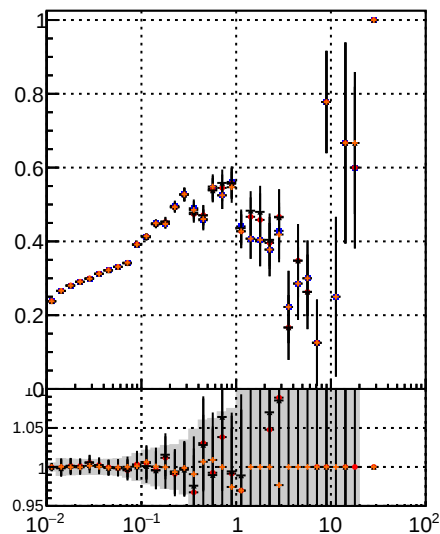
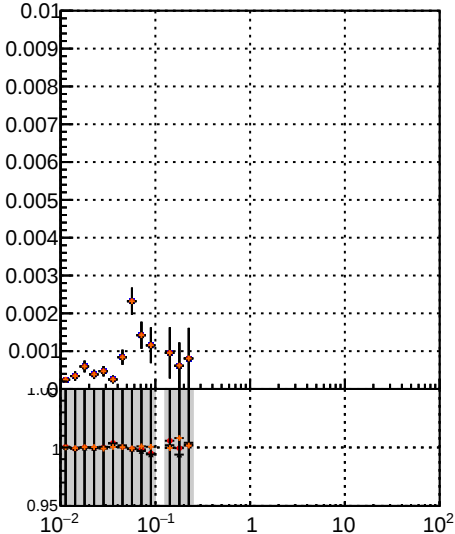


## Fake rate vs vertpos



### Duplicates Rate vs vertpos



### Pileup rate vs vertpos

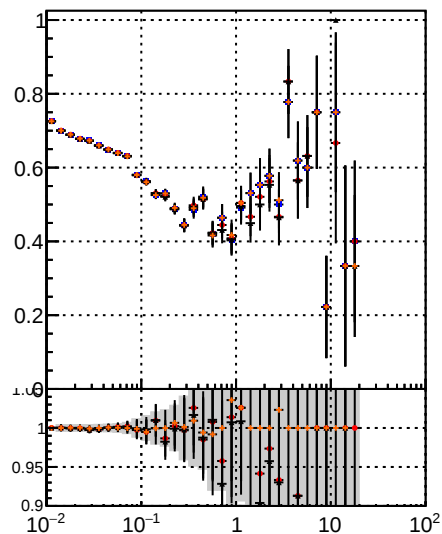
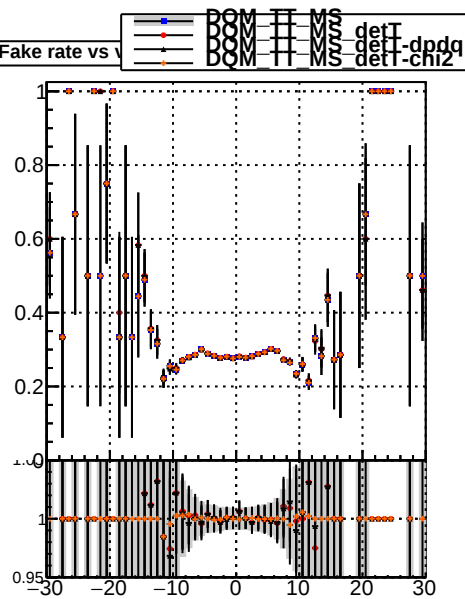
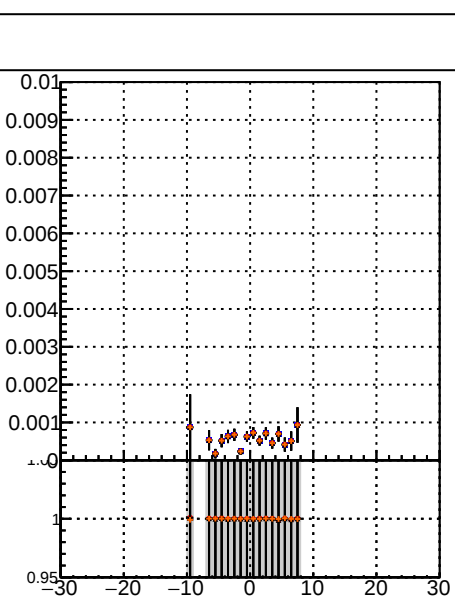


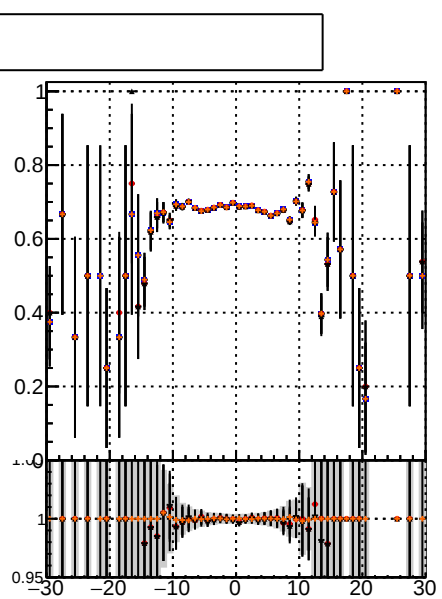
Figure 1 shows the fake rate versus significance for different background rejection methods. The methods compared are DOM, TT, MS, detT, detT-dp, and detT-chi2. The y-axis represents the fake rate, and the x-axis represents the significance. The plot indicates that the detT method generally achieves the highest significance for a given fake rate, followed by detT-dp and detT-chi2, while DOM and TT methods show lower significance levels.



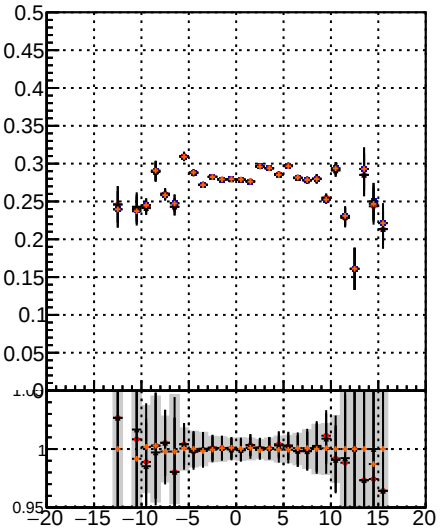
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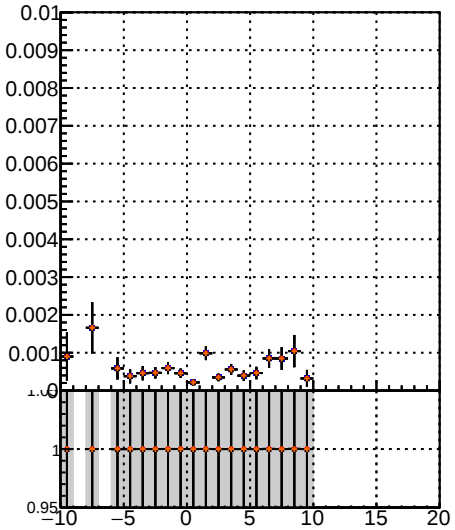
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### Fake rate vs. sim PV z



### Duplicates Rate vs sim PV z



### Pileup rate vs. sim PV z

