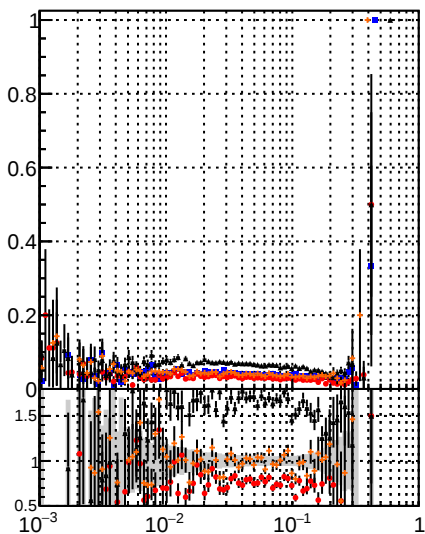
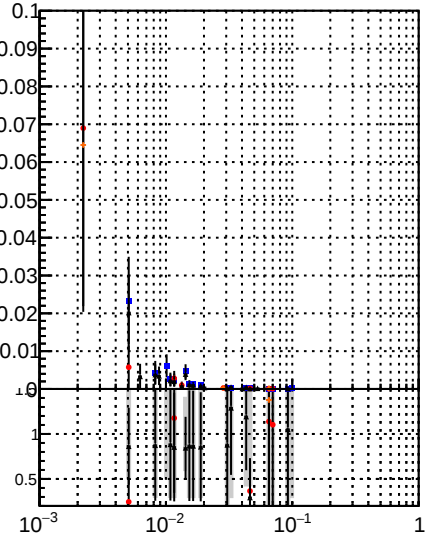


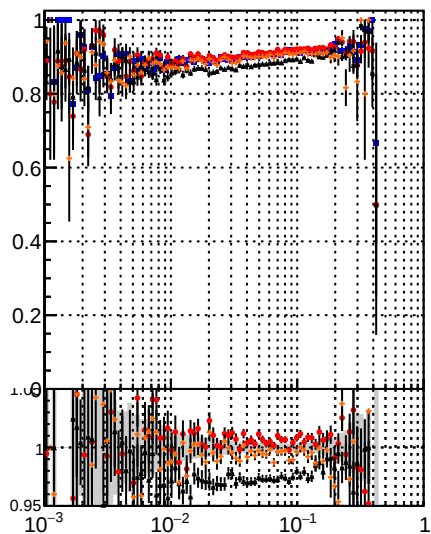
### Fake rate vs dr



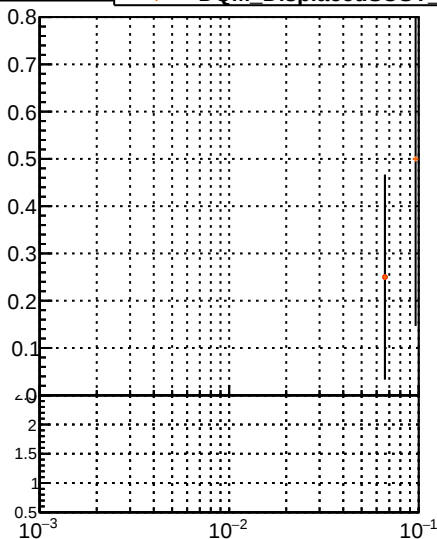
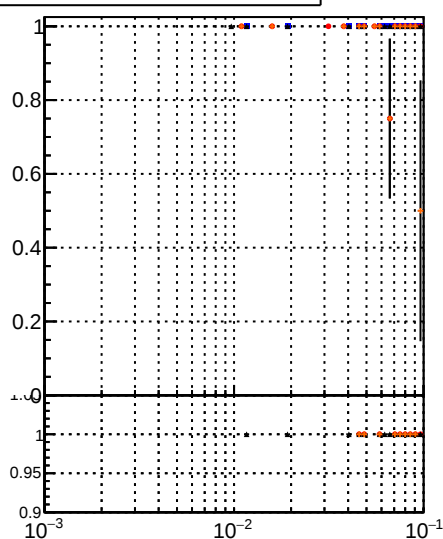
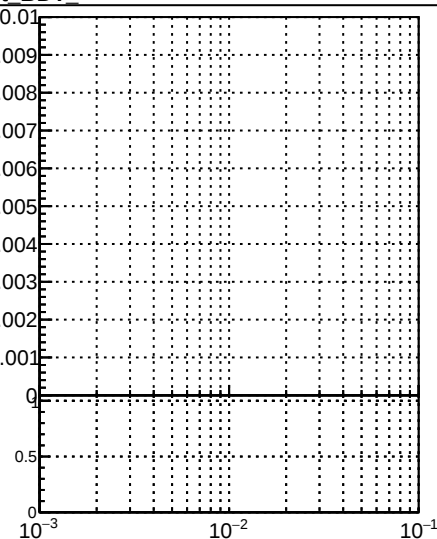
### Duplicates Rate vs dr



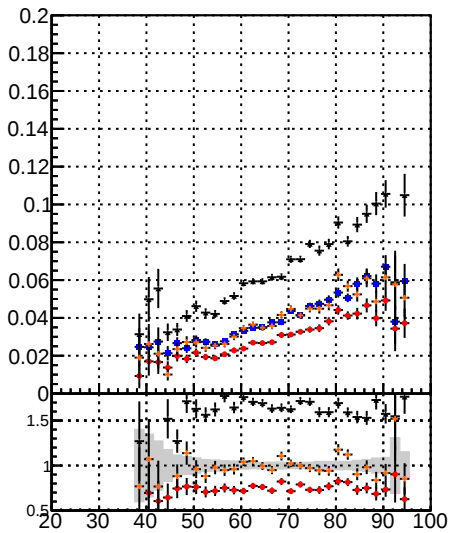
### Pileup rate vs dr



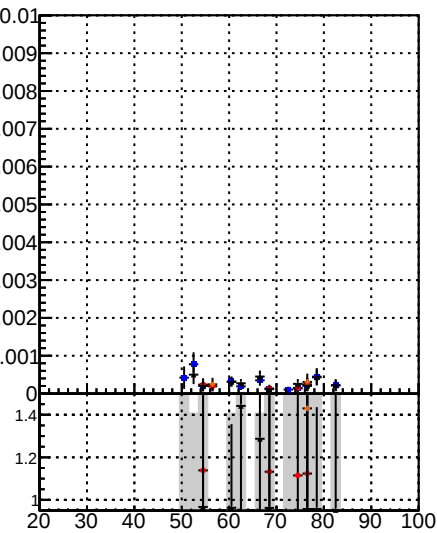
### Fake rate vs


$$\frac{E_{it}^{BDT}}{E_{it}^{BDT}}$$


### Fake rate vs pu



### Duplicates Rate vs pu



### Pileup rate vs pu

