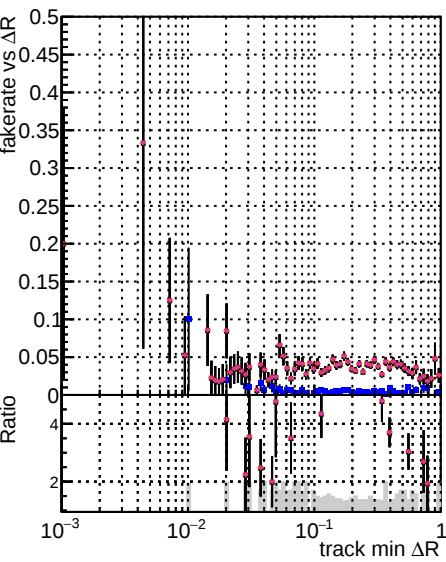
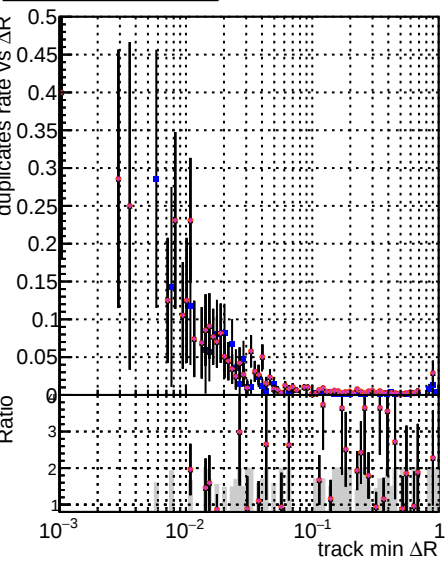


Fake rate vs dr



Duplicates Rate vs dr



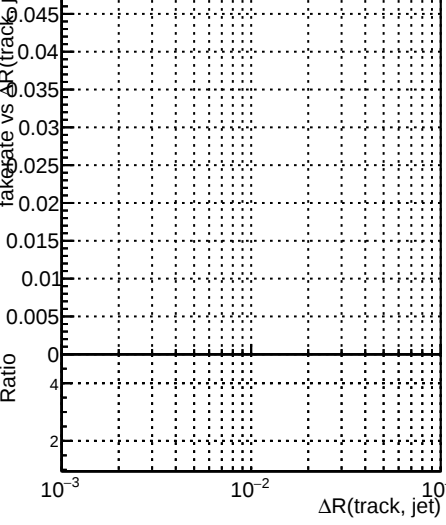
Pileup rate vs dr



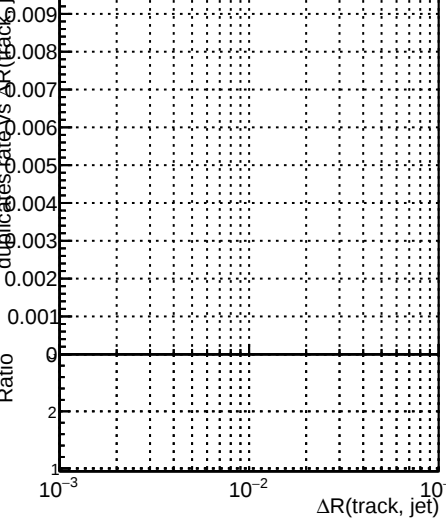
Legend for Fake rate vs  $\Delta R$ , Duplicates Rate vs  $\Delta R$ , and Pileup rate vs  $\Delta R$ :

| Model | Color | Symbol   |
|-------|-------|----------|
| BQM   | Blue  | Circle   |
| CKE   | Red   | Circle   |
| set   | Green | Circle   |
| OCB   | Black | Circle   |
| BQM   | Blue  | Triangle |
| CKE   | Red   | Triangle |
| set   | Green | Triangle |
| OCB   | Black | Triangle |
| BQM   | Blue  | Square   |
| CKE   | Red   | Square   |
| set   | Green | Square   |
| OCB   | Black | Square   |
| BQM   | Blue  | Star     |
| CKE   | Red   | Star     |
| set   | Green | Star     |
| OCB   | Black | Star     |
| BQM   | Blue  | Circle   |
| CKE   | Red   | Circle   |
| set   | Green | Circle   |
| OCB   | Black | Circle   |
| BQM   | Blue  | Triangle |
| CKE   | Red   | Triangle |
| set   | Green | Triangle |
| OCB   | Black | Triangle |
| BQM   | Blue  | Square   |
| CKE   | Red   | Square   |
| set   | Green | Square   |
| OCB   | Black | Square   |
| BQM   | Blue  | Star     |
| CKE   | Red   | Star     |
| set   | Green | Star     |
| OCB   | Black | Star     |

Fake rate vs  $\Delta R(\text{track, jet})$



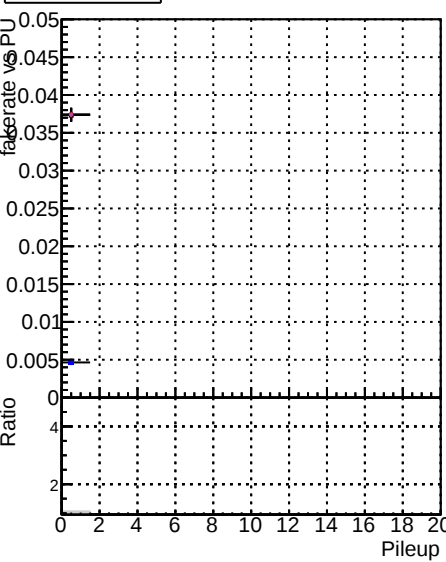
Duplicates Rate vs  $\Delta R(\text{track, jet})$



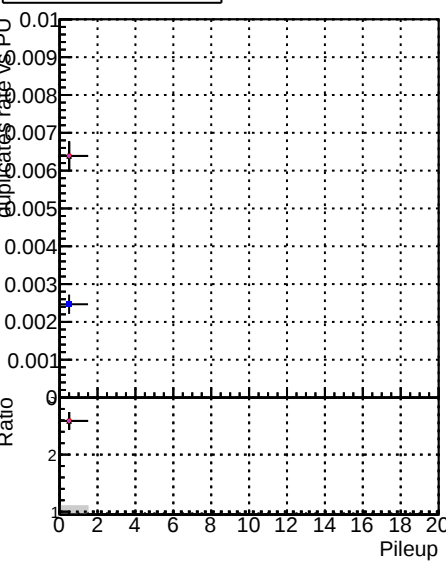
Pileup rate vs  $\Delta R(\text{track, jet})$



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

