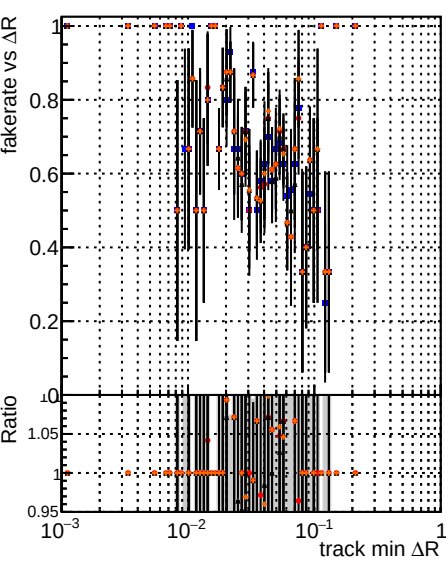


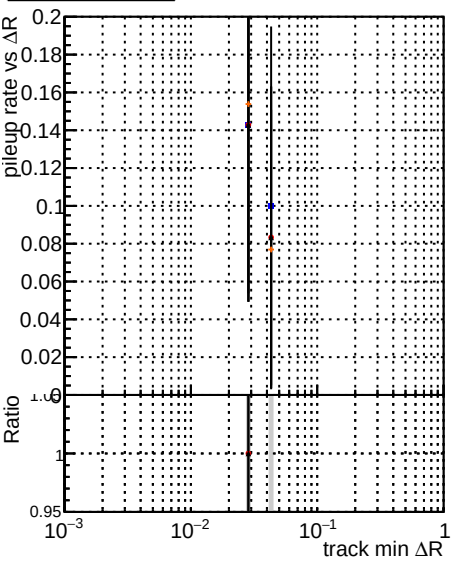
Fake rate vs dr



Duplicates Rate vs dr



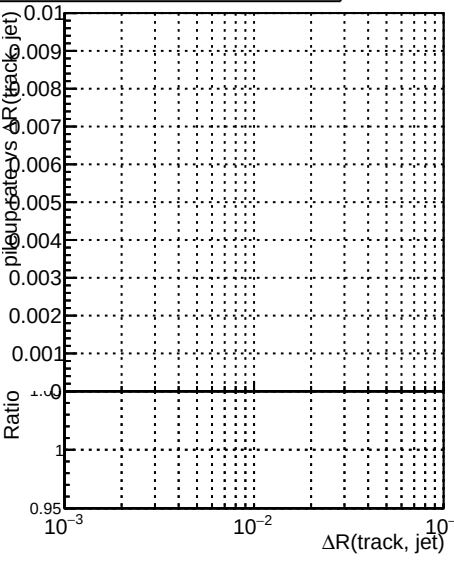
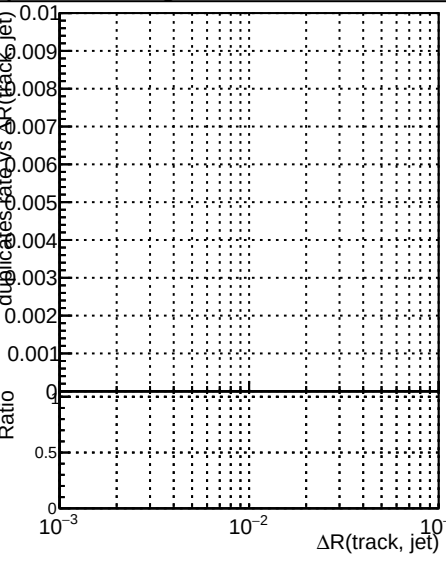
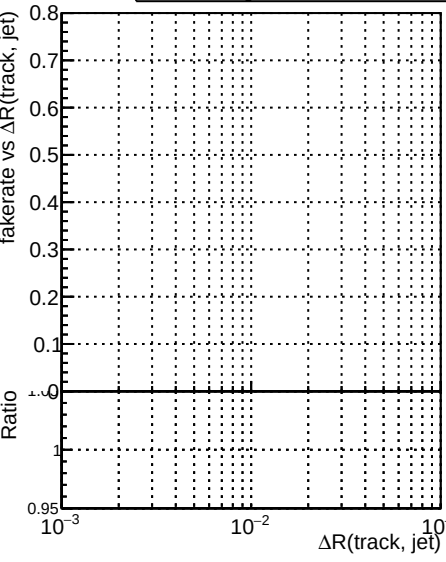
Pileup rate vs dr



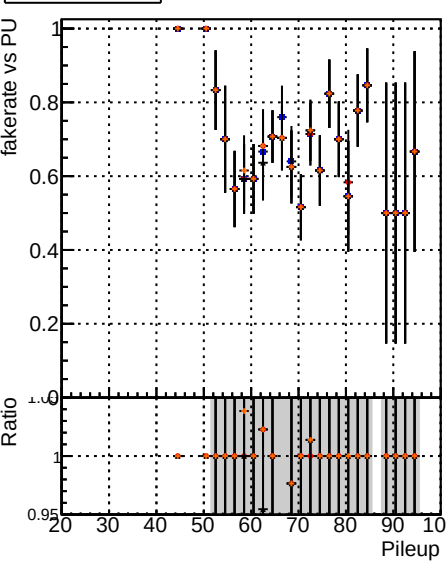
Legend for Fake rate vs  $\Delta R$ , Duplicates Rate vs  $\Delta R$ , and Pileup rate vs  $\Delta R$ :

| Model            | Color  | Shape    | Line Style |
|------------------|--------|----------|------------|
| original         | Black  | Square   | Solid      |
| mod modelTEST-25 | Blue   | Circle   | Dashed     |
| mod modelTEST-29 | Red    | Triangle | Dotted     |
| mod modelTEST-24 | Orange | Star     | Long Dash  |

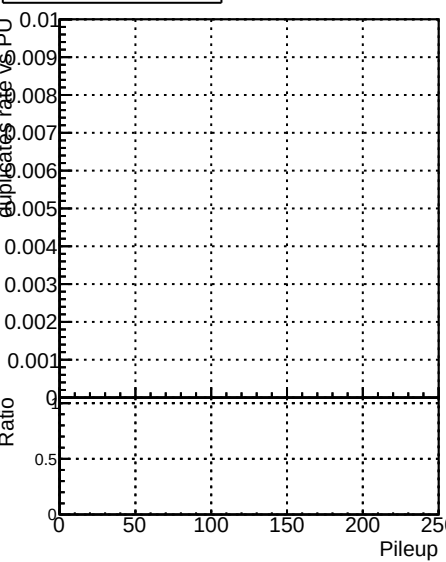
Fake rate vs



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

