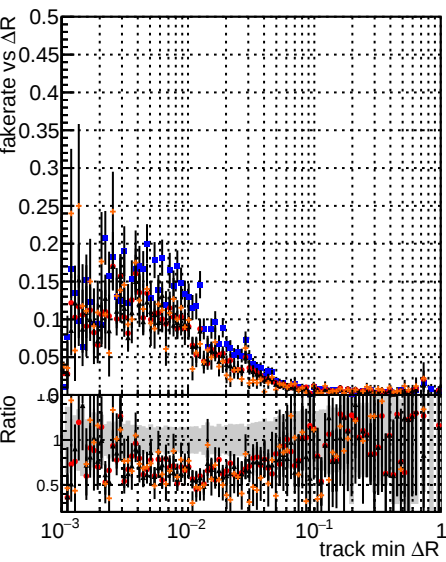
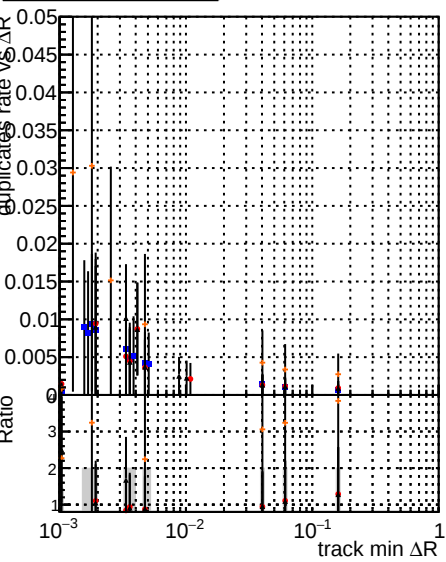


Fake rate vs dr



Duplicates Rate vs dr



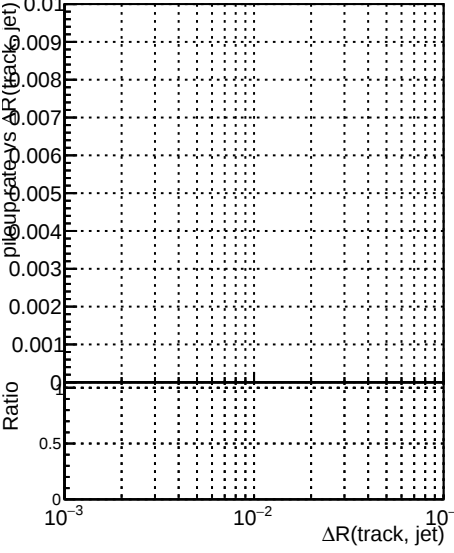
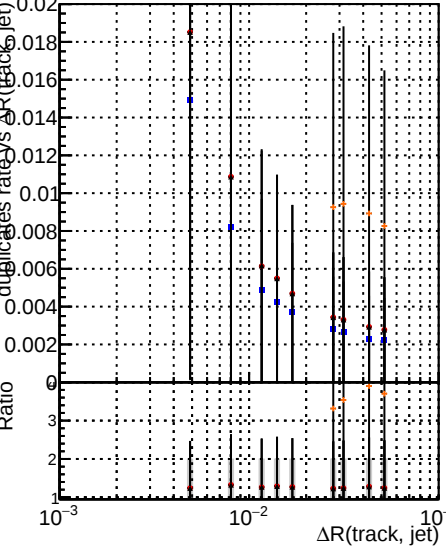
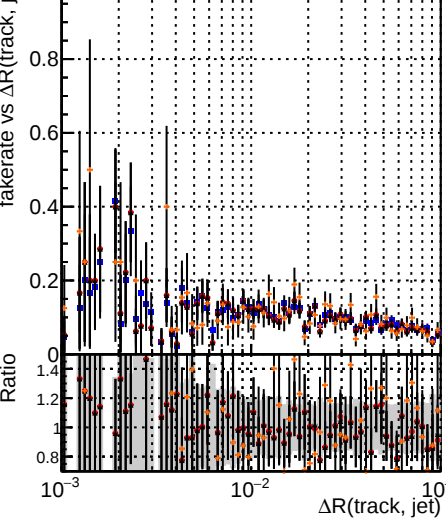
Pileup rate vs dr



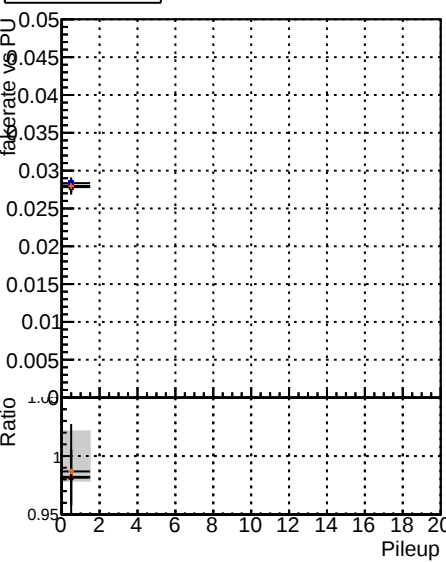
Legend for Fake rate vs  $\Delta R$ , Duplicates Rate vs  $\Delta R$ , and Pileup rate vs  $\Delta R$ :

| Model         | Global | mkFit | baseline | Global | mkFit | var | Global | mkFit | coreNoClean | Global | mkFit | coreSHits |
|---------------|--------|-------|----------|--------|-------|-----|--------|-------|-------------|--------|-------|-----------|
| DOM           | ✓      | ✓     | ✓        | ✓      | ✓     | ✓   | ✓      | ✓     | ✓           | ✓      | ✓     | ✓         |
| V00001        | ✓      | ✓     | ✓        | ✓      | ✓     | ✓   | ✓      | ✓     | ✓           | ✓      | ✓     | ✓         |
| R000000000001 | ✓      | ✓     | ✓        | ✓      | ✓     | ✓   | ✓      | ✓     | ✓           | ✓      | ✓     | ✓         |

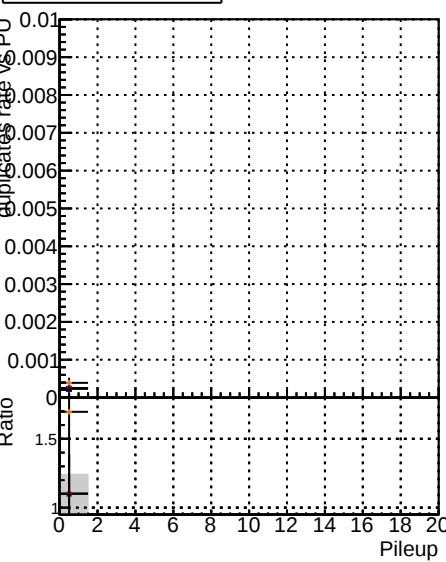
Fake rate vs



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

