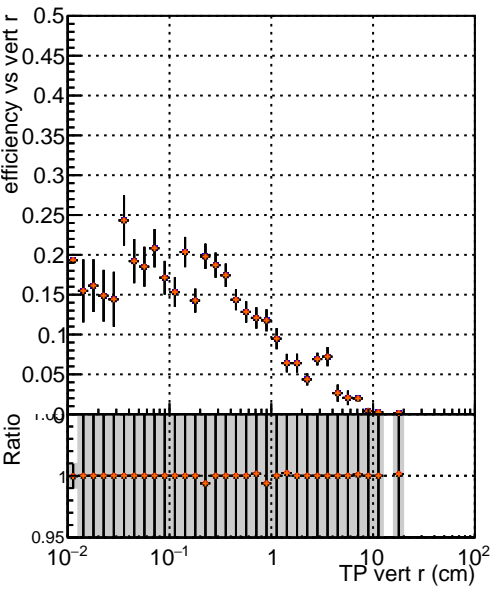
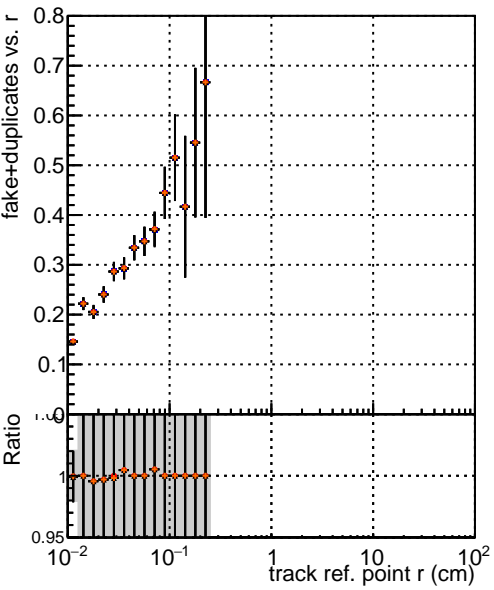
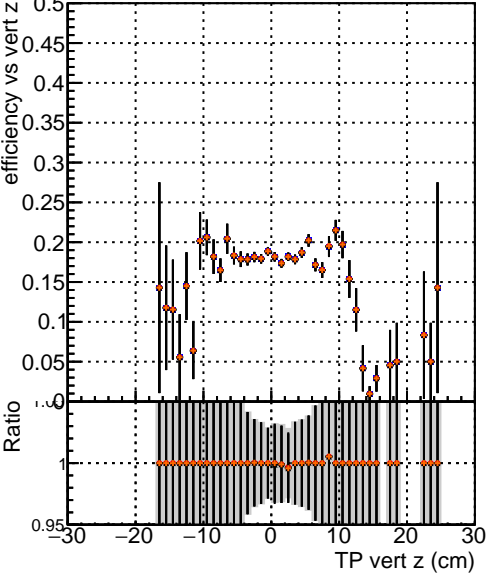
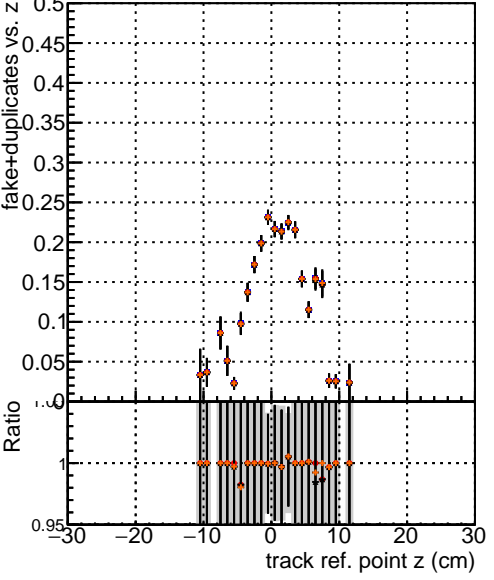
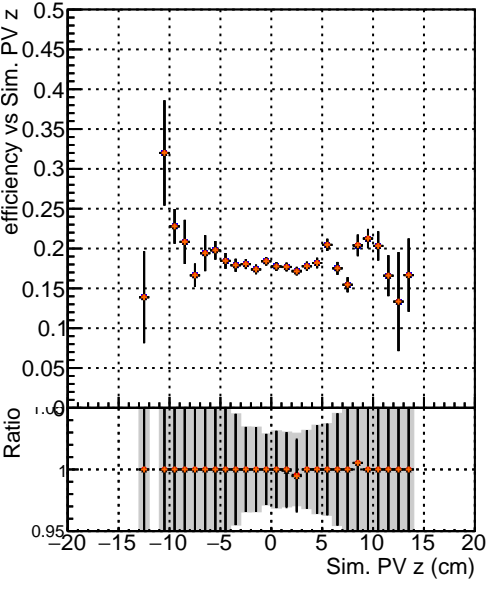


**Efficiency vs vertpos****fake+duplicates vs vert r**
**Efficiency vs vert z**

|   |        |                               |
|---|--------|-------------------------------|
| ● | DQM TT | original_noPU                 |
| ○ | DQM TT | paretofrontMaxEffOnlyFWD2_PU  |
| ▲ | DQM TT | paretofrontMinFROnlyFWD2_PU   |
| ◆ | DQM TT | paretofrontMaxHitsOnlyFWD2_PU |

**fake+duplicates vs. z****Efficiency vs. sim PV z****fake+duplicates vs Sim. PV z**