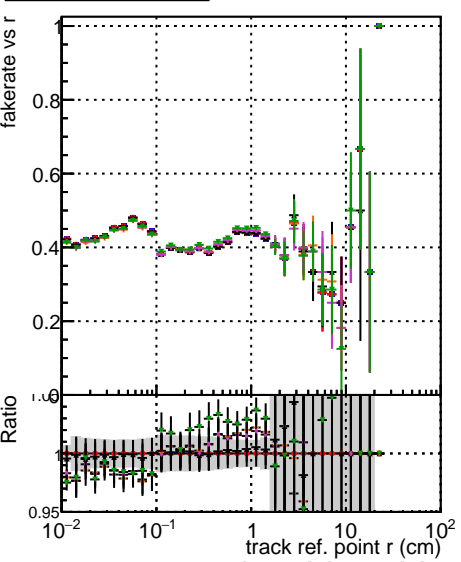
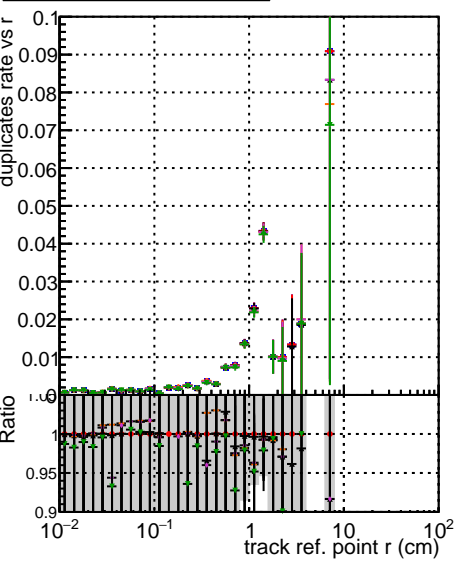
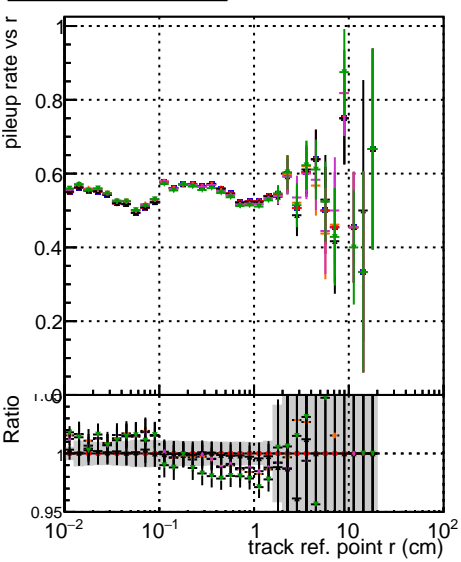
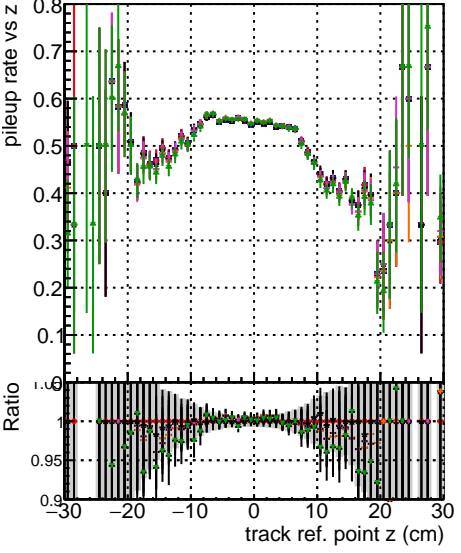
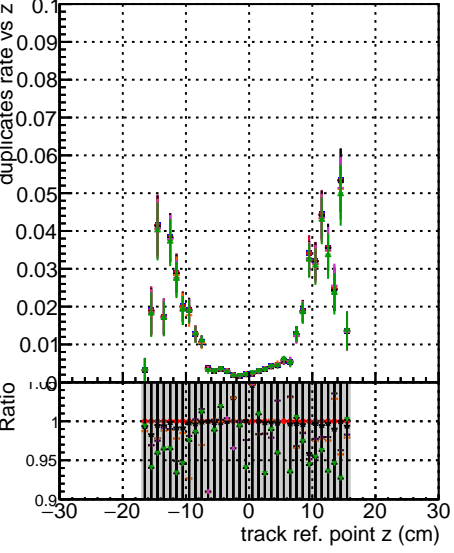
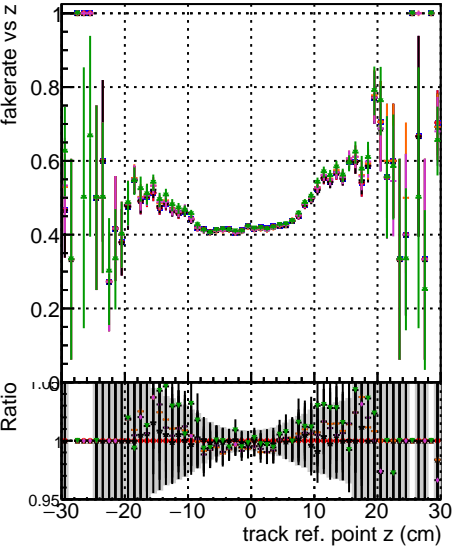
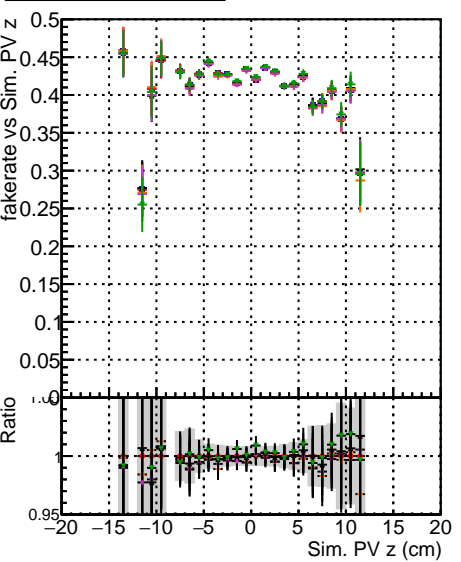
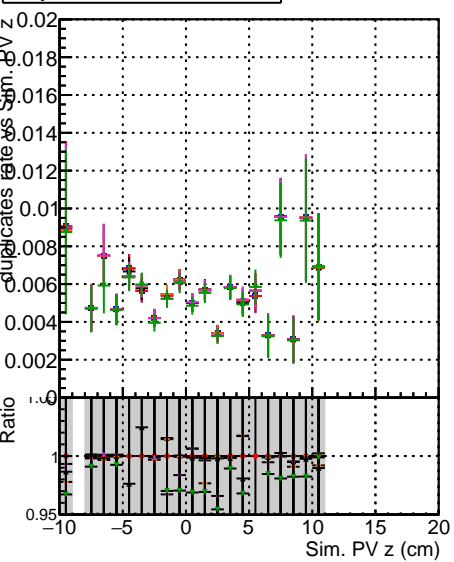


Fake rate vs vertpos**Duplicates Rate vs vertpos****Pileup rate vs vertpos**

Legend: DOM (black), original (red), originalvector (green), 1000evt (blue), 2000evt (magenta), 5000evt (cyan), 10000evt (yellow), UT3 (purple).
Fake rate vs vertpos **Duplicates Rate vs vertpos** **Pileup rate vs vertpos**

**Fake rate vs. sim PV z****Duplicates Rate vs sim PV z****Pileup rate vs. sim PV z**