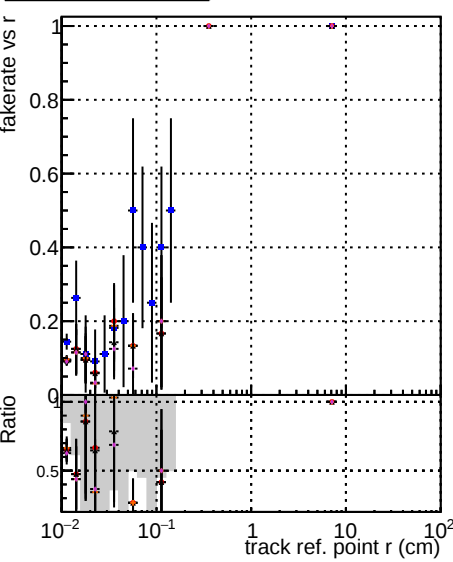


Fake rate vs vertpos



Duplicates Rate vs vertpos

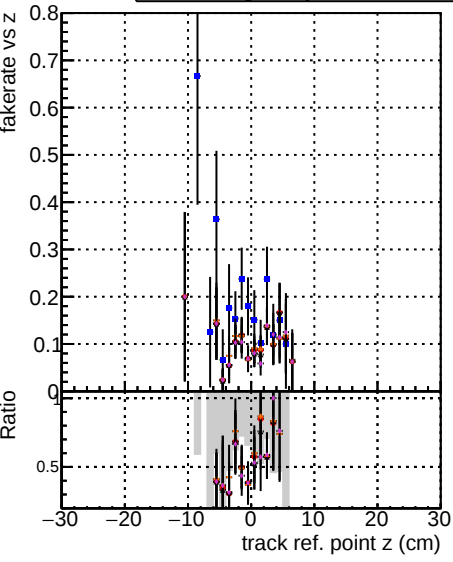


Pileup rate vs vertpos

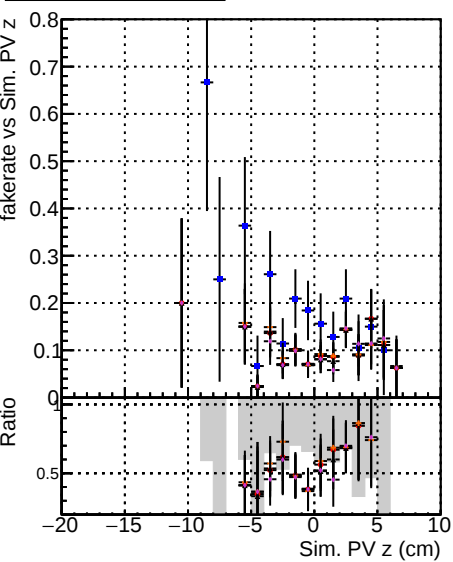


Fake rate vs v

Legend: DOM (blue circles), M3 (orange crosses), T3 (red crosses), GKF (green crosses), and others. The x-axis is labeled 'track ref. point z (cm)' and ranges from -30 to 30. The y-axis is labeled 'Ratio' and ranges from -0.5 to 0.8. A shaded gray region is visible for $z < 0$ cm.



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

