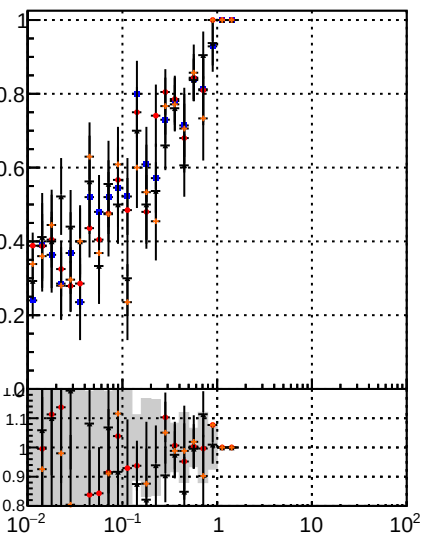
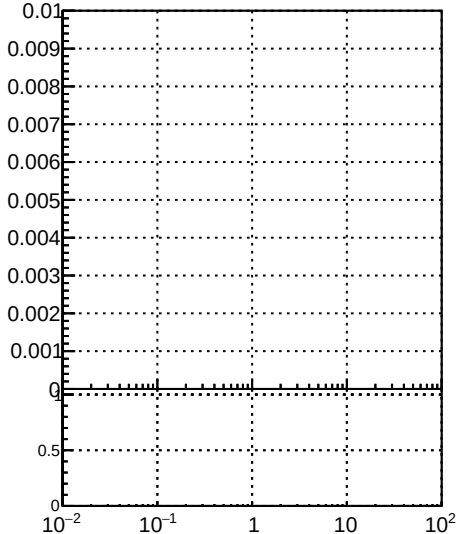


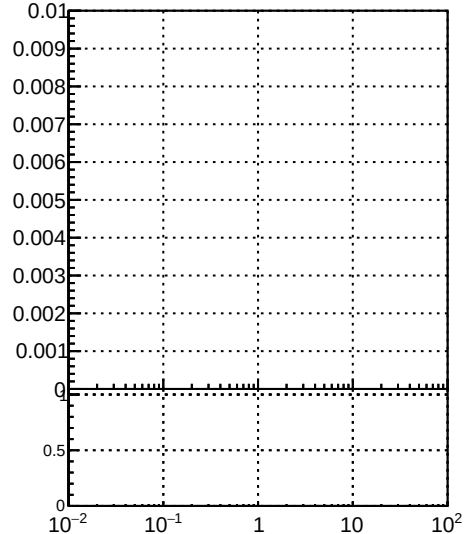
Fake rate vs vertpos



Duplicates Rate vs vertpos



Pileup rate vs vertpos



Fake rate vs v

● DOM

● CKE

● BDT

— CKE_{fit}

— BDT_{fit}

— mkt_{fit}

Plot of Fake rate vs v. The x-axis ranges from -30 to 30. The y-axis ranges from 0.8 to 1.0. Data points with error bars are shown for DOM (blue circles), CKE (red circles), and BDT (orange circles). A shaded gray region is visible at the bottom of the plot, representing the background distribution.

Plot of Duplicates Rate vs v. The x-axis ranges from -30 to 30. The y-axis ranges from 0 to 0.01. Data points with error bars are shown for DOM (blue circles), CKE (red circles), and BDT (orange circles). The plot shows a very low rate across the entire range.

Plot of Pileup rate vs v. The x-axis ranges from -30 to 30. The y-axis ranges from 0 to 0.01. Data points with error bars are shown for DOM (blue circles), CKE (red circles), and BDT (orange circles). The plot shows a very low rate across the entire range.

Fake rate vs. sim PV z

Plot of Fake rate vs. sim PV z. The x-axis ranges from -10 to 20. The y-axis ranges from 0.8 to 1.0. Data points with error bars are shown for DOM (blue circles), CKE (red circles), and BDT (orange circles). A shaded gray region is visible at the bottom of the plot, representing the background distribution.

Duplicates Rate vs sim PV z

Plot of Duplicates Rate vs sim PV z. The x-axis ranges from -60 to 60. The y-axis ranges from 0 to 0.01. Data points with error bars are shown for DOM (blue circles), CKE (red circles), and BDT (orange circles). The plot shows a very low rate across the entire range.

Pileup rate vs. sim PV z

Plot of Pileup rate vs. sim PV z. The x-axis ranges from -60 to 60. The y-axis ranges from 0 to 0.01. Data points with error bars are shown for DOM (blue circles), CKE (red circles), and BDT (orange circles). The plot shows a very low rate across the entire range.