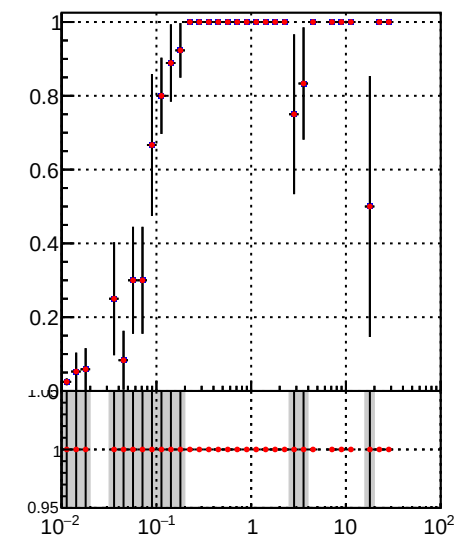
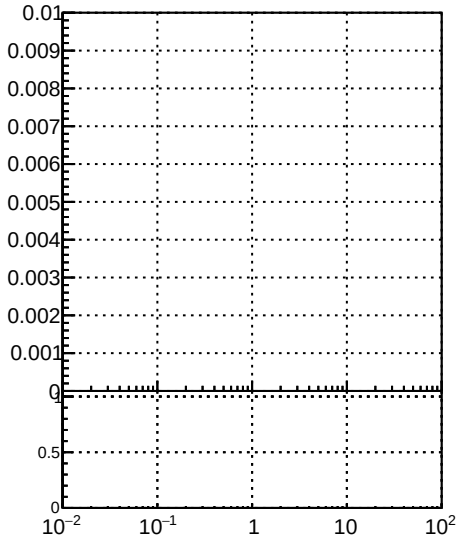


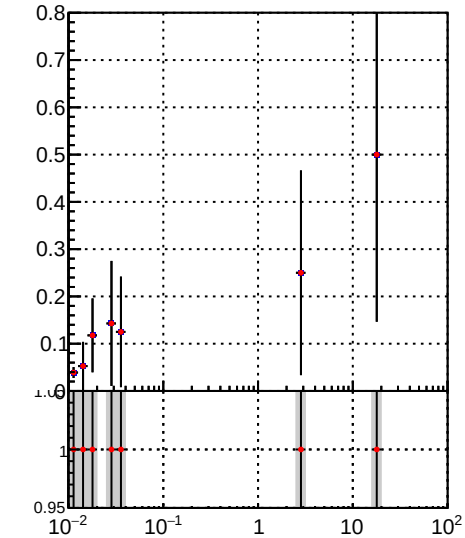
Fake rate vs vertpos



Duplicates Rate vs vertpos



Pileup rate vs vertpos



/data2/legianni/JSON-bkwd-fwd/no-modif/CMSSW_13_0_X_2023-01-24-1100/src/DQM_original

DQM_modified

Plot of Fake rate vs vertpos, comparing the original and modified DQM. The x-axis is logarithmic, ranging from 10^{-2} to 10^2 . The y-axis ranges from 0.95 to 1.0. Data points are shown as red dots with vertical error bars. A horizontal dashed line is at y=1.0. The plot shows a sharp increase in fake rate as vertpos increases, reaching a plateau near 1.0 for vertpos values greater than 1.

Plot of Duplicates Rate vs vertpos, comparing the original and modified DQM. The x-axis is logarithmic, ranging from 10^{-2} to 10^2 . The y-axis ranges from 0 to 0.01. Data points are shown as red dots with vertical error bars. A horizontal dashed line is at y=0. The plot shows a very low and stable duplicates rate across the entire range of vertpos.

Plot of Pileup rate vs vertpos, comparing the original and modified DQM. The x-axis is logarithmic, ranging from 10^{-2} to 10^2 . The y-axis ranges from 0.95 to 0.8. Data points are shown as red dots with vertical error bars. A horizontal dashed line is at y=1.0. The plot shows a sharp increase in pileup rate as vertpos increases, reaching a plateau near 0.5 for vertpos values greater than 10.

Fake rate vs. sim PV z

Plot of Fake rate vs. sim PV z. The x-axis ranges from -20 to 20. The y-axis ranges from 0.95 to 0.8. Data points are shown as red dots with vertical error bars. A horizontal dashed line is at y=1.0. The plot shows a sharp increase in fake rate as sim PV z increases, reaching a plateau near 0.5 for sim PV z values greater than 5.

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 are shown as red dots with vertical error bars. A horizontal dashed line is at y=0. The plot shows a very low and stable duplicates rate across the entire range of sim PV z.

Pileup rate vs. sim PV z

Plot of Pileup rate vs. sim PV z. The x-axis ranges from -20 to 10. The y-axis ranges from 0.95 to 0.8. Data points are shown as red dots with vertical error bars. A horizontal dashed line is at y=1.0. The plot shows a sharp increase in pileup rate as sim PV z increases, reaching a plateau near 0.5 for sim PV z values greater than 5.