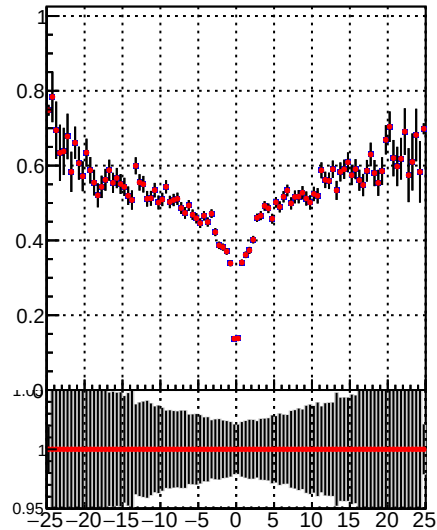
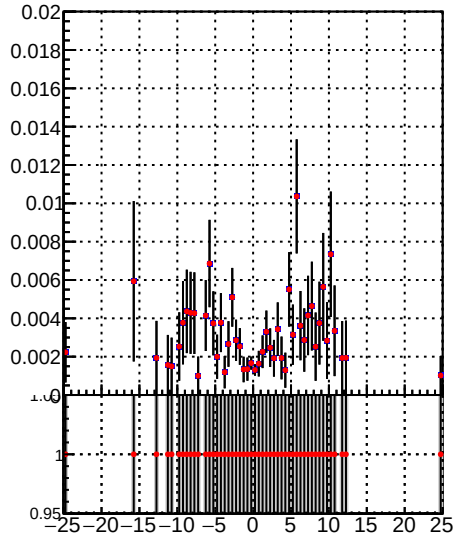


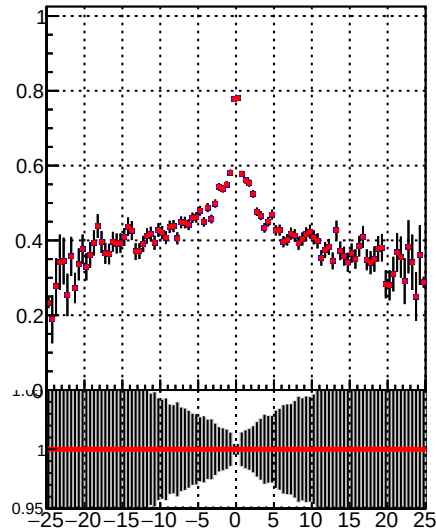
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

/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 dxy for the modified configuration. The top panel shows the fake rate (red dots with error bars) decreasing from approximately 0.6 at dxy = -30 to a minimum of about 0.15 at dxy = 0, then increasing back to about 0.6 at dxy = 30. The bottom panel shows a histogram of the distribution, which is roughly symmetric and centered around dxy = 0, with a red line indicating the fake rate.

Plot of Duplicates Rate vs Dxy for the modified configuration. The top panel shows the duplicates rate (red dots with error bars) fluctuating between 0.001 and 0.01 across the dxy range. The bottom panel shows a histogram of the distribution, which is roughly symmetric and centered around dxy = 0, with a red line indicating the duplicates rate.

Plot of Pileup rate vs dxy for the modified configuration. The top panel shows the pileup rate (red dots with error bars) increasing from approximately 0.4 at dxy = -30 to a peak of about 0.75 at dxy = 0, then decreasing back to about 0.4 at dxy = 30. The bottom panel shows a histogram of the distribution, which is roughly symmetric and centered around dxy = 0, with a red line indicating the pileup rate.