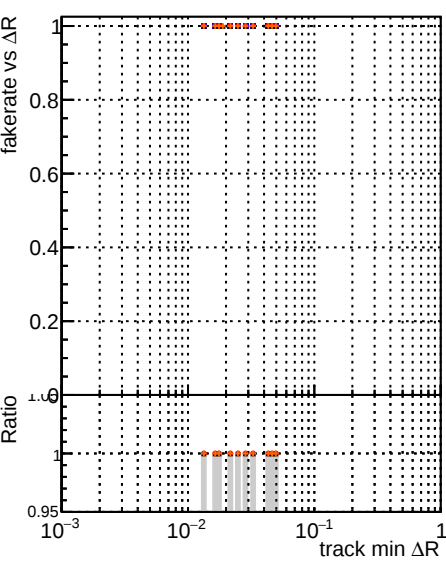


Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



Fake rate vs

DOM

TT

ORIGINAL

layerProcy2

DOM

TT

MODIFIED

layerProcy2

hits

hits

hits

hits

Plot of faked rate vs $\Delta R(\text{track, jet})$ (log scale). The y-axis is labeled 'Ratio' and ranges from 0.95 to 1.0. The x-axis is labeled ' $\Delta R(\text{track, jet})$ ' and ranges from 10^{-3} to 10^{-1} . Data points are shown as red dots with error bars, mostly clustered at a ratio of 1.0. A horizontal line is drawn at Ratio = 1.0.

Plot of duplicates rate vs $\Delta R(\text{track, jet})$ (log scale). The y-axis is labeled 'Ratio' and ranges from 0 to 0.01. The x-axis is labeled ' $\Delta R(\text{track, jet})$ ' and ranges from 10^{-3} to 10^{-1} . Data points are shown as red dots with error bars, mostly clustered at a ratio of 0. A horizontal line is drawn at Ratio = 0.

Plot of pileup rate vs $\Delta R(\text{track, jet})$ (log scale). The y-axis is labeled 'Ratio' and ranges from 0 to 0.01. The x-axis is labeled ' $\Delta R(\text{track, jet})$ ' and ranges from 10^{-3} to 10^{-1} . Data points are shown as red dots with error bars, mostly clustered at a ratio of 0. A horizontal line is drawn at Ratio = 0.

Fake rate vs pu

Plot of faked rate vs Pileup. The y-axis is labeled 'Ratio' and ranges from 0.95 to 1.0. The x-axis is labeled 'Pileup' and ranges from 50 to 100. Data points are shown as red dots with error bars, mostly clustered at a ratio of 1.0. A horizontal line is drawn at Ratio = 1.0.

Duplicates Rate vs pu

Plot of duplicates rate vs Pileup. The y-axis is labeled 'Ratio' and ranges from 0 to 0.01. The x-axis is labeled 'Pileup' and ranges from 0 to 250. Data points are shown as red dots with error bars, mostly clustered at a ratio of 0. A horizontal line is drawn at Ratio = 0.

Pileup rate vs pu

Plot of pileup rate vs Pileup. The y-axis is labeled 'Ratio' and ranges from 0 to 0.01. The x-axis is labeled 'Pileup' and ranges from 0 to 250. Data points are shown as red dots with error bars, mostly clustered at a ratio of 0. A horizontal line is drawn at Ratio = 0.