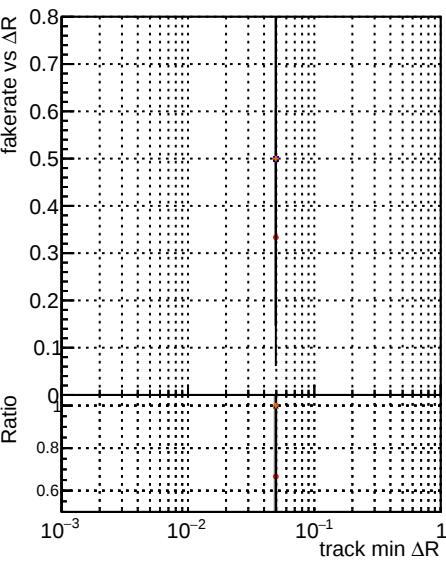


Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



DOM

TT

ORIGINAL

layerProcv2

DOM

TT

MODIFIED

layerProcv2

DOM

TT

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layerProcv2

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layerProcv2

Fake rate vs

$\Delta R(\text{track, jet})$

Duplicates Rate vs

$\Delta R(\text{track, jet})$

Pileup rate vs

$\Delta R(\text{track, jet})$

A log-log plot showing the fake rate (Ratio) on the y-axis (0 to 0.01) versus $\Delta R(\text{track, jet})$ on the x-axis (10^{-3} to 10^{-1}). The plot shows a sharp increase in the fake rate as ΔR increases, with a vertical line at $\Delta R \approx 0.05$ and a red dot at $(0.05, 0.005)$.

A log-log plot showing the duplicates rate (Ratio) on the y-axis (0 to 0.01) versus $\Delta R(\text{track, jet})$ on the x-axis (10^{-3} to 10^{-1}). The plot shows a sharp increase in the duplicates rate as ΔR increases, with a vertical line at $\Delta R \approx 0.05$ and a red dot at $(0.05, 0.005)$.

A log-log plot showing the pileup rate (Ratio) on the y-axis (0 to 0.01) versus $\Delta R(\text{track, jet})$ on the x-axis (10^{-3} to 10^{-1}). The plot shows a sharp increase in the pileup rate as ΔR increases, with a vertical line at $\Delta R \approx 0.05$ and a red dot at $(0.05, 0.005)$.

Fake rate vs pu

A linear plot showing the fake rate (Ratio) on the y-axis (0 to 0.1) versus Pileup on the x-axis (50 to 64). The plot shows a sharp increase in the fake rate as Pileup increases, with a vertical line at Pileup ≈ 60 and a red dot at $(60, 0.09)$.

Duplicates Rate vs pu

A linear plot showing the duplicates rate (Ratio) on the y-axis (0 to 0.01) versus Pileup on the x-axis (0 to 250). The plot shows a sharp increase in the duplicates rate as Pileup increases, with a vertical line at Pileup ≈ 60 and a red dot at $(60, 0.005)$.

Pileup rate vs pu

A linear plot showing the pileup rate (Ratio) on the y-axis (0 to 0.01) versus Pileup on the x-axis (0 to 250). The plot shows a sharp increase in the pileup rate as Pileup increases, with a vertical line at Pileup ≈ 60 and a red dot at $(60, 0.005)$.