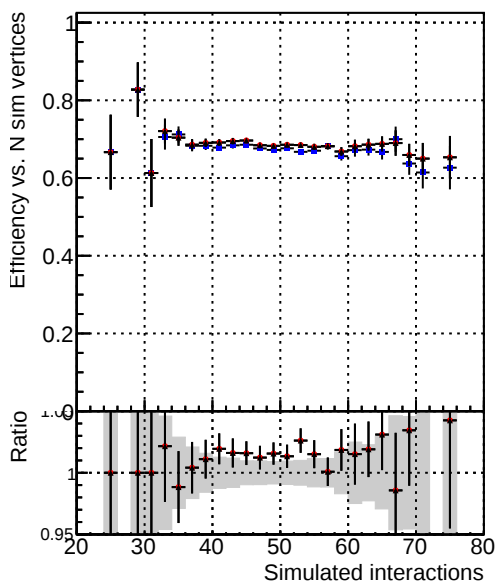


Efficiency vs NumVertices



Fakrate vs PU

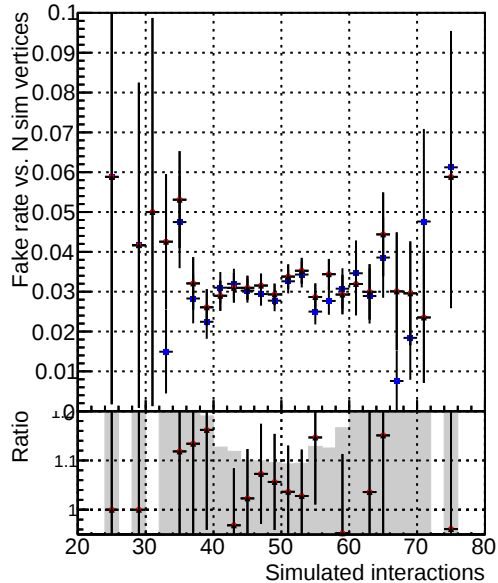


Figure 1 consists of two panels. The top panel is a plot of Efficiency vs. N tracks, showing efficiency values for different track selection criteria (blue squares, red circles, black dots, and purple diamonds) as a function of the number of tracks (0 to 200). The efficiency increases rapidly from 0 to about 1.0 for N tracks up to 20, and then remains near 1.0. The bottom panel is a plot of Ratio vs. Tracks, showing the ratio of efficiencies for different track selection criteria (blue squares, red circles, black dots, and purple diamonds) as a function of the number of tracks (0 to 200). The ratio is close to 1.0 for all track selection criteria, with a shaded gray region indicating the uncertainty.

Figure 1 consists of two panels. The top panel is titled "Efficiency vs. Sum p_T^2 ". The y-axis is labeled "Efficiency vs. sum p_T^2 " and ranges from 0.6 to 1.0. The x-axis is labeled "Sum p_T^2 " and is on a logarithmic scale from 10^1 to 10^4 . The bottom panel is titled "Ratio vs. Sum p_T^2 ". The y-axis is labeled "Ratio" and ranges from 0.95 to 1.0. The x-axis is the same as the top panel. Both panels show data points with error bars and a solid line representing a fit or trend. The top panel shows efficiency values generally increasing from around 0.8 to 1.0. The bottom panel shows ratio values generally increasing from around 0.98 to 1.0.

Figure 1 consists of two panels. The top panel is titled "Fake rate vs. Sum p_T^2 ". The y-axis is labeled "Fake rate vs. sum p_T^- " and ranges from 0 to 0.2. The x-axis is labeled "Sum p_T^2 " and is on a logarithmic scale from 10^1 to 10^4 . The bottom panel shows the "Ratio" on the y-axis, ranging from 0.5 to 1.5, against the same x-axis. Both panels feature data points with error bars and a shaded gray region representing the uncertainty.