

Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dx_y (cm)' ranging from -25 to 25. The top plot shows the 'fake-galaxies rate vs. dx_y' on the y-axis, ranging from 0 to 0.1. It displays a sharp peak at dx_y = 0, with a vertical line at this position. Red squares and circles mark the 10% and 1% fake-galaxies rates, respectively. The bottom plot shows the 'Ratio' on the y-axis, ranging from 0.95 to 1.0, also with a sharp peak at dx_y = 0. Red squares and circles mark the 10% and 1% fake-galaxies rates, respectively. A vertical line at dx_y = 0 indicates the 10% fake-galaxies rate threshold.

