

The figure consists of two vertically stacked plots. The top plot is a log-linear histogram showing the distribution of 'true tracks' (y-axis, logarithmic scale from 1 to 10^4) versus 'track dxy (cm)' (x-axis, linear scale from -20 to 20). The data points are represented by magenta dots, and a solid magenta line represents a Gaussian fit. The distribution is centered at 0 cm. The bottom plot is a scatter plot showing the distribution of 'dxy' (y-axis, linear scale from 0.95 to 1.00) versus 'dxy' (x-axis, linear scale from -20 to 20). The data points are represented by magenta dots, and a solid magenta line represents a Gaussian fit. The distribution is centered at 0 cm.

The figure consists of two vertically stacked plots. The top plot shows the distribution of fake tracks as a function of track d_{xy} (cm) on a logarithmic scale. The y-axis is labeled 'fake tracks' and ranges from 1 to 10^3 . The x-axis is labeled 'track dxy (cm)' and ranges from -20 to 20. The data is represented by a black line with error bars, showing a peak at $d_{xy} = 0$ with a value of approximately 200. The bottom plot shows the distribution of fake tracks as a function of track d_{xy} (cm) on a linear scale. The y-axis is labeled 'fake tracks' and ranges from 0.9 to 1.0. The x-axis is labeled 'track dxy (cm)' and ranges from -20 to 20. The data is represented by a black line with error bars, showing a peak at $d_{xy} = 0$ with a value of approximately 0.99.

The figure consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot shows 'true tracks' on a logarithmic y-axis from 10^2 to 10^4 . It features a magenta dashed line with square markers representing data and a black dotted line representing a Gaussian fit, peaking at approximately 4×10^3 at $dz = 0$. The bottom plot shows the 'Ratio' on a linear y-axis from 0.95 to 1.10. It displays a black histogram of the ratio, a grey shaded area representing a Gaussian fit, and red and orange data points with error bars. The ratio is centered around 1.0, with a slight dip at $dz = 0$ and peaks around $dz = \pm 10$.

Figure 1 consists of two panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel shows the 'Ratio' of fake tracks on a logarithmic y-axis from 10^2 to 10^4 . It features a dense grid of black dots and a series of magenta squares connected by lines, showing a peak around 0 cm. The bottom panel shows the 'Ratio' on a linear y-axis from 0.95 to 1.00, with a series of vertical black lines and a few scattered colored dots (red, green, blue, orange) showing a dip around 0 cm.