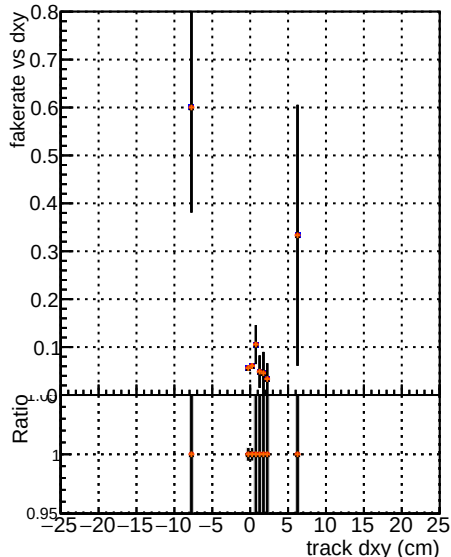
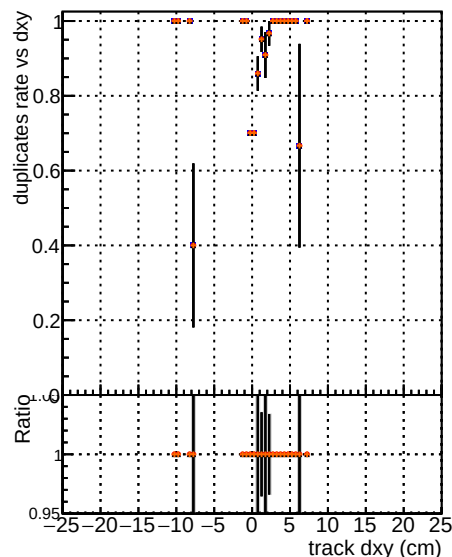


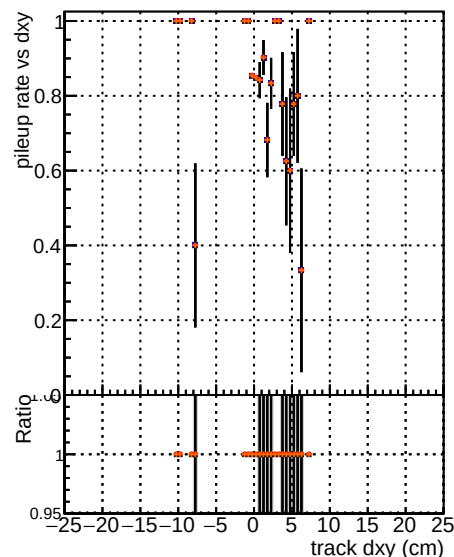
Fake rate vs dxy



Duplicates Rate vs Dxy

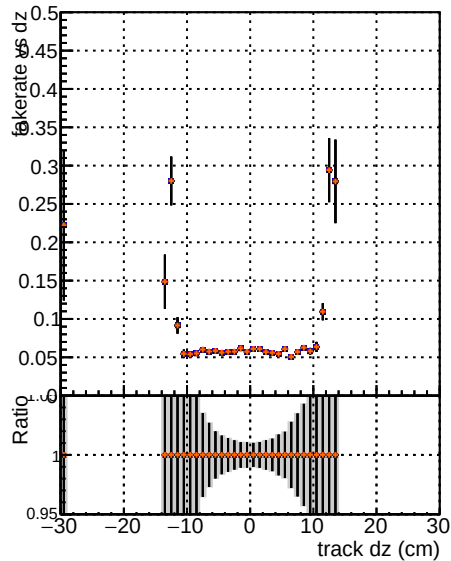


Pileup rate vs dxy



Fake rate vs d

DGM V0001 DGM V0001 DGM V0001 DGM V0001 Global mkFit original
DGM V0001 DGM V0001 DGM V0001 DGM V0001 Global mkFit press
DGM V0001 DGM V0001 DGM V0001 DGM V0001 Global mkFit not
DGM V0001 DGM V0001 DGM V0001 DGM V0001 Global mkFit new



The figure consists of two panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30.

The top panel is titled 'duplicates rate vs dz'. The y-axis ranges from 0.6 to 1.0. It shows data points with error bars for different track lengths: 100 cm (black squares), 200 cm (red circles), 300 cm (blue triangles), 400 cm (green diamonds), 500 cm (cyan crosses), 600 cm (magenta asterisks), 700 cm (yellow pluses), 800 cm (brown x's), 900 cm (pink dots), and 1000 cm (grey crosses). The duplicate rate is generally high (near 1.0) for track lengths greater than 200 cm and decreases as track length decreases, reaching a minimum of about 0.55 at 100 cm.

The bottom panel is titled 'Ratio'. The y-axis ranges from 0.95 to 1.0. It shows the ratio of duplicate rates for different track lengths relative to the 1000 cm track length. The ratio is 1.0 for all track lengths greater than 200 cm. For track lengths less than 200 cm, the ratio decreases as track length decreases, reaching a minimum of about 0.95 at 100 cm.

