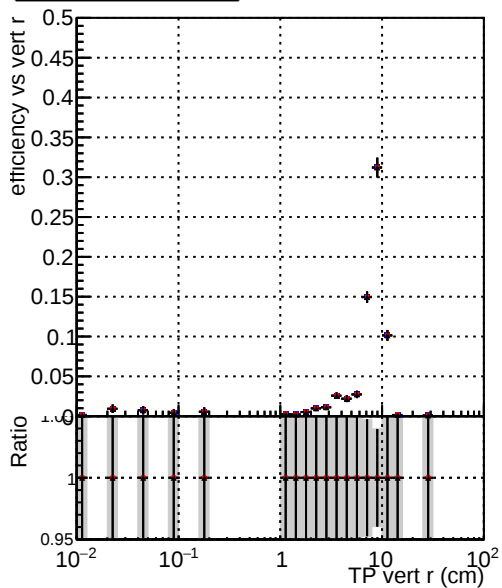
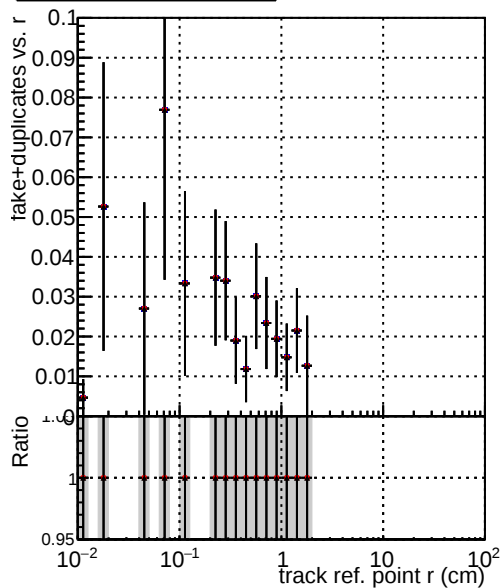


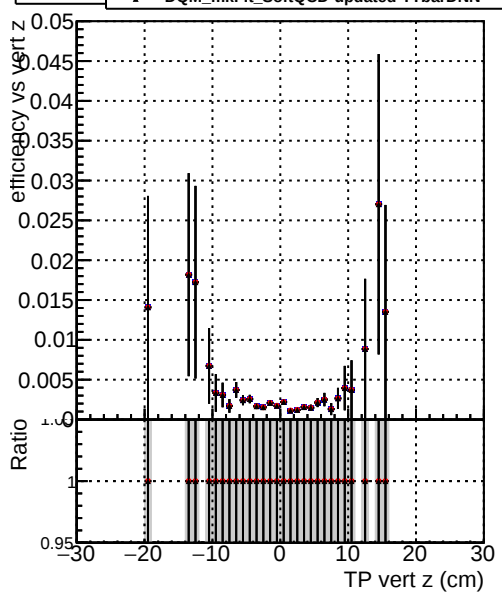
**Efficiency vs vertpos**



**fake+duplicates vs vert r**



**Efficiency vs vert z**



**fake+duplicates vs Sim. PV z**

Legend for Efficiency vs vert z plot:

- DQM\_mkFit\_SoftQCD-updated
- DQM\_mkFit\_SoftQCD-updated-newPLDNN
- DQM\_mkFit\_SoftQCD-updated-TTbarDNN

Plot of Ratio (y-axis, 0.95 to 0.5) versus track ref. point z (cm) (x-axis, linear scale from -30 to 30). The plot shows data points with error bars and a shaded histogram. The ratio is generally near 1.0, with a slight increase around 10 cm.

**Efficiency vs. sim PV z**

Plot of Ratio (y-axis, 0.95 to 0.01) versus Sim. PV z (cm) (x-axis, linear scale from -10 to 20). The plot shows data points with error bars and a shaded histogram. The ratio is generally near 1.0, with a slight increase around 10 cm.

**fake+duplicates vs Sim. PV z**

Plot of Ratio (y-axis, 0.95 to 0.05) versus Sim. PV z (cm) (x-axis, linear scale from -10 to 10). The plot shows data points with error bars and a shaded histogram. The ratio is generally near 1.0, with a slight increase around 10 cm.