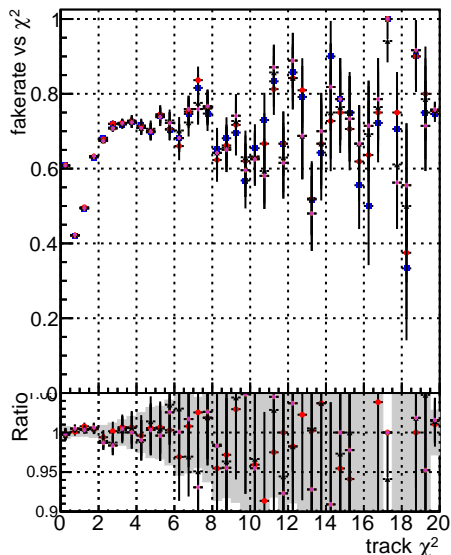
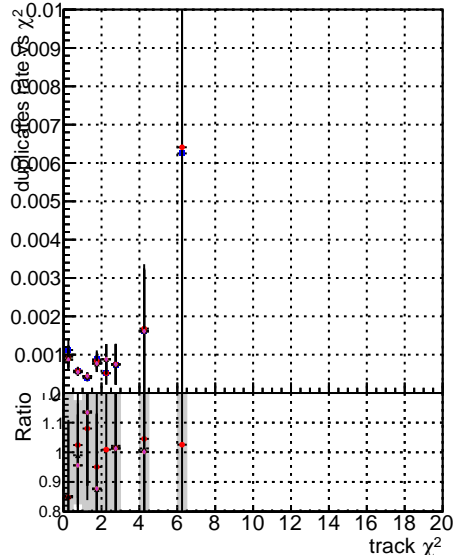


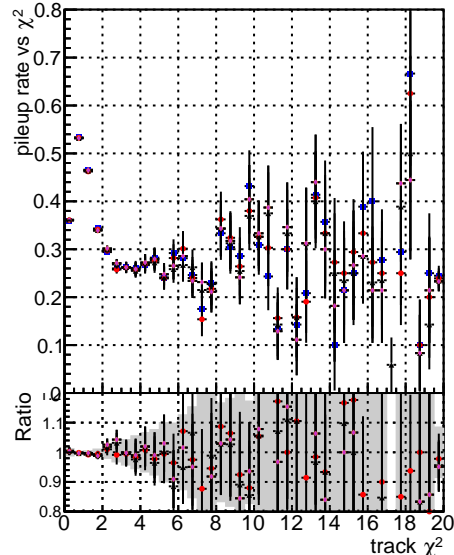
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. DQM mktFit TToriginal NEWHSM ALLTEBS

Figure 1 consists of two vertically stacked panels. The top panel is a scatter plot with 'fake rate vs seeding layers' on the y-axis (ranging from 0.2 to 1.0) and an unlabeled x-axis (ranging from 0 to 10). It shows data points for four seed multiplicities: 2 (black squares), 3 (red circles), 4 (blue triangles), and 5 (magenta diamonds). The data points are scattered, generally increasing from left to right. The bottom panel is a scatter plot with 'Ratio' on the y-axis (ranging from 0.95 to 1.0) and the same x-axis. It shows the ratio of the fake rates for the four multiplicities, with data points for 2 (black squares), 3 (red circles), 4 (blue triangles), and 5 (magenta diamonds). The ratio values are mostly clustered around 1.0, with some fluctuations.

Layers	Seed Ratio	Duplication Ratio	Total Ratio
1	0.98	0.98	0.98
2	0.95	0.95	0.95
3	0.92	0.92	0.92
4	0.88	0.88	0.88
5	0.85	0.85	0.85
6	0.82	0.82	0.82
7	0.80	0.80	0.80
8	0.79	0.79	0.79
9	0.78	0.78	0.78
10	0.78	0.78	0.78

Figure 1 consists of two vertically stacked plots. The top plot shows the 'pileup rate vs seedling layers' on the y-axis (ranging from 0.2 to 0.8) against an unlabeled x-axis (ranging from 0 to 100). The data points are represented by black dots with vertical error bars, and a solid black line represents a fitted curve. The bottom plot shows the 'Ratio' on the y-axis (ranging from 0.95 to 1.4) against the same x-axis. The data points are represented by red dots with vertical error bars, and a solid black line represents a fitted curve. Both plots show a general downward trend over time.