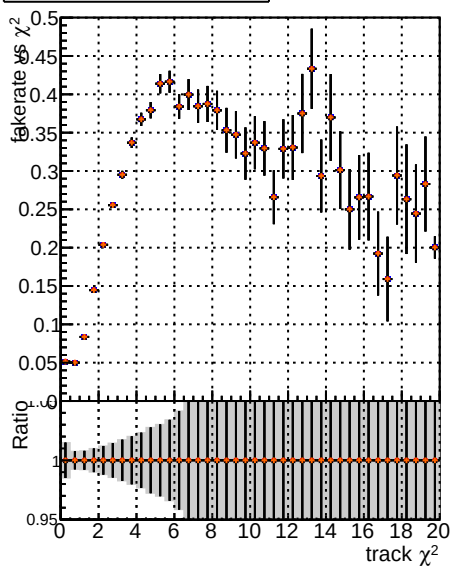
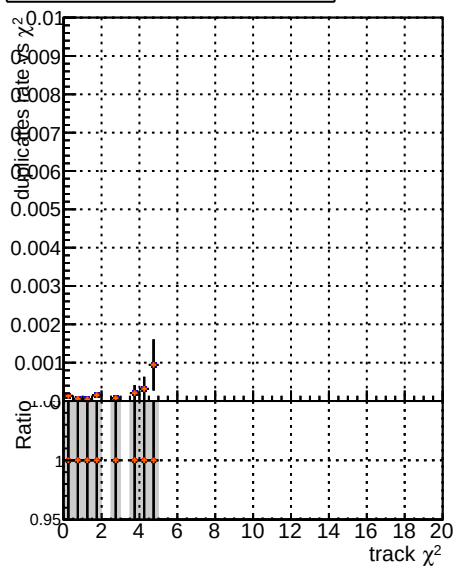


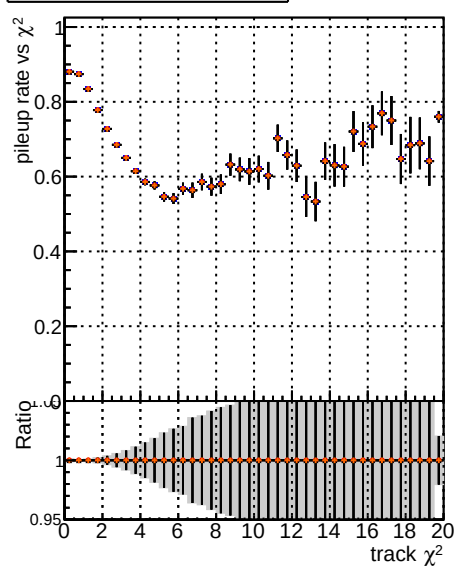
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. 

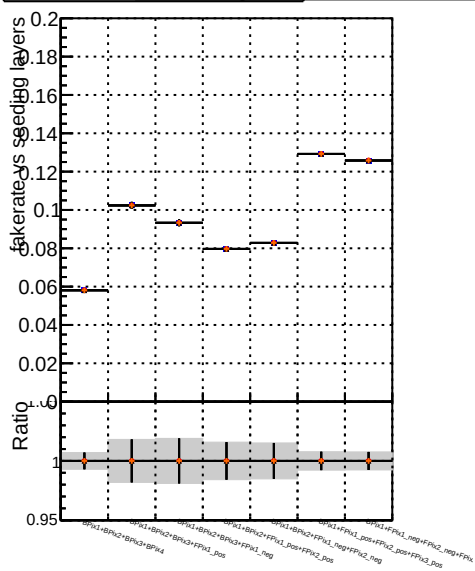
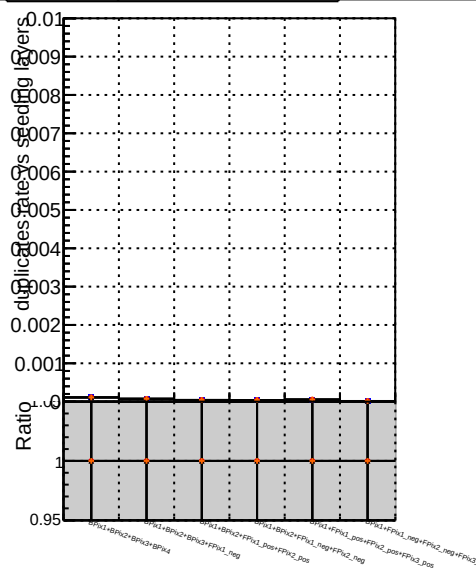


Figure 1 shows the evolution of the normalized average number of infected individuals, $\bar{I}/N$, over time t for different values of the parameter β . The y-axis is labeled $\bar{I}/N$ and ranges from 0 to 0.01. The x-axis is labeled t and ranges from 0 to 100. Five curves are shown, labeled 1 through 5, corresponding to $\beta = 0.0001, 0.0002, 0.0003, 0.0004, 0.0005$ respectively. All curves start at 0 and increase over time, with higher β values resulting in higher final values of $\bar{I}/N$.



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