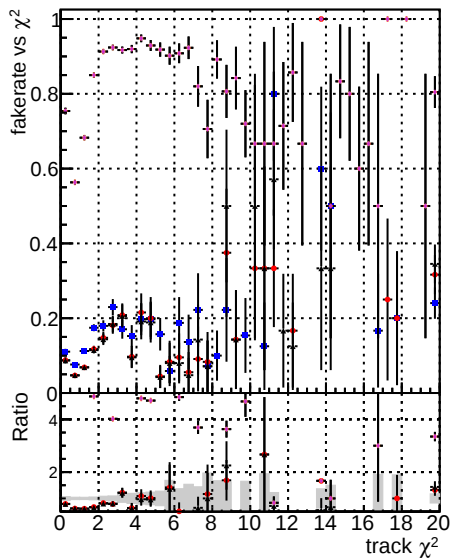
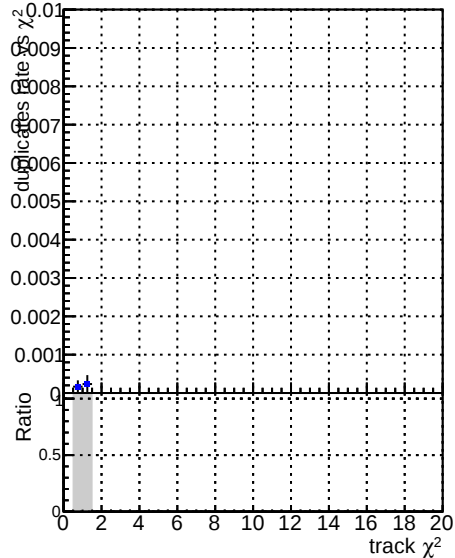


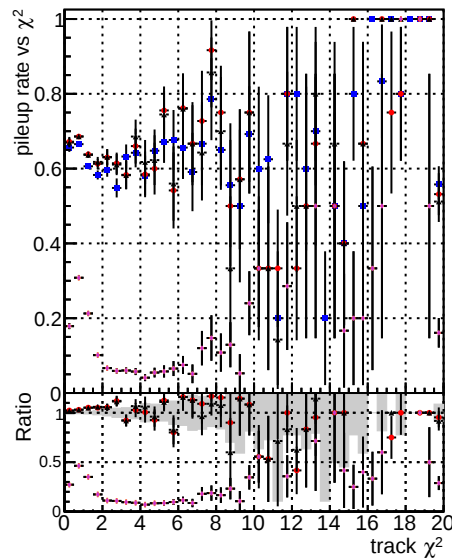
### Fake rate vs normalized $\chi^2$



### Duplicates Rate vs normalized $\chi^2$



### Pileup rate vs normalized $\chi^2$



| Configuration           | Fake rate (%) |
|-------------------------|---------------|
| DOMstep3 TT GKE default | ~10           |
| GKEfull                 | ~85           |
| GKEfullNEW              | ~10           |
| GKEless                 | ~85           |
| GKElessNEW              | ~10           |

Figure 1 consists of two vertically stacked plots. The top plot, titled 'pileup rate vs seeding layers', shows the pileup rate (y-axis, 0 to 1.0) versus the number of seeding layers (x-axis, 0 to 100). The bottom plot, titled 'Ratio', shows the ratio (y-axis, 0 to 1.0) versus the number of seeding layers (x-axis, 0 to 100). Both plots feature a dense grid of points for different seeders, with a legend at the top identifying various colors and symbols. The legend includes: red circles, blue squares, green triangles, orange diamonds, purple crosses, yellow stars, black dots, and various combinations of these symbols.