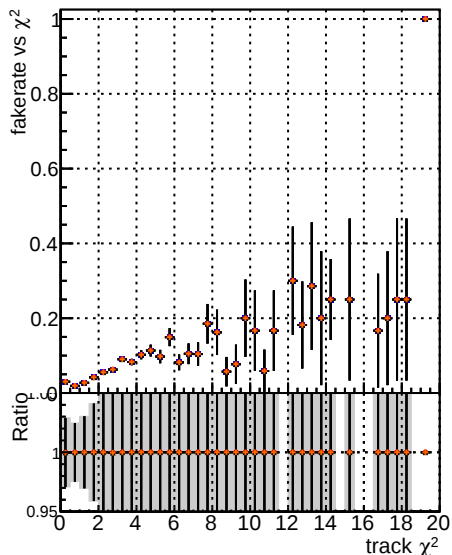
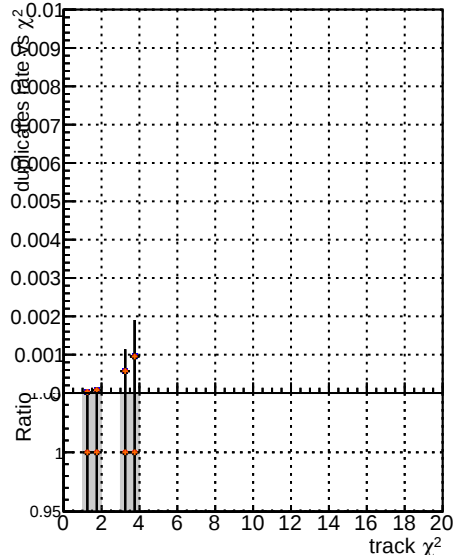


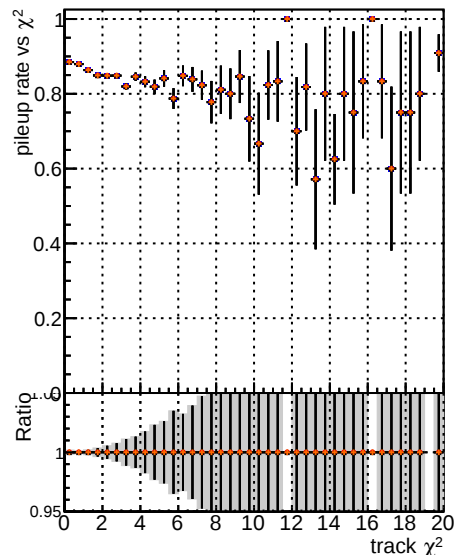
### Fake rate vs normalized $\chi^2$



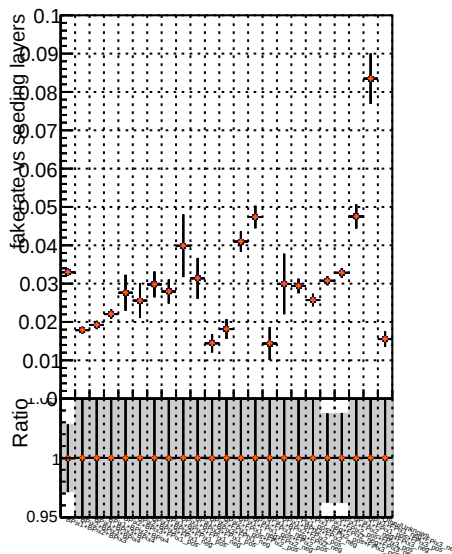
### Duplicates Rate vs normalized $\chi^2$



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



Fake rate vs.  DOM V0001 B0000000001 Global CM SW X Y Z a||NODNN2  
DOM V0001 B0000000001 Global CM SW X Y Z a||NODNN2  
DOM V0001 R0000000001 Global CM SW X Y Z a||NODNN2



| Synthesis Method       | Ratio (approx.) |
|------------------------|-----------------|
| FPG2+FPV2_pos+FPV2_neg | 1.0             |
| FPG1+FPV1_pos+FPV1_neg | 1.0             |
| FPG2+BPV2+FPV2_pos     | 0.0012          |
| FPG1+FPV1_neg+FPV2_neg | 0.0008          |

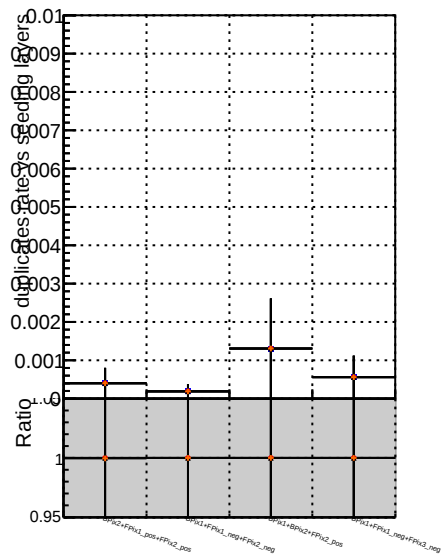


Figure 1 consists of two vertically stacked panels sharing a common x-axis representing 'seeding layers' from 0 to 100. The top panel plots the 'pileup rate vs seeding layers' on the y-axis, ranging from 0.6 to 1.0. It shows data points with error bars and a solid line fit that starts at approximately 0.85 and increases to about 0.9. The bottom panel plots the 'Ratio' on the y-axis, ranging from 0.95 to 1.0. It shows data points with error bars and a solid line fit that remains relatively flat around 1.0.

