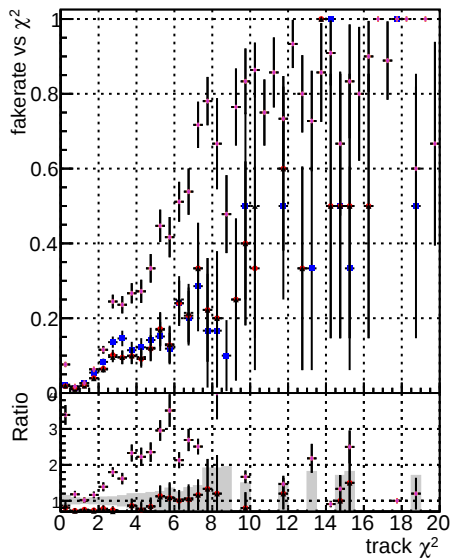
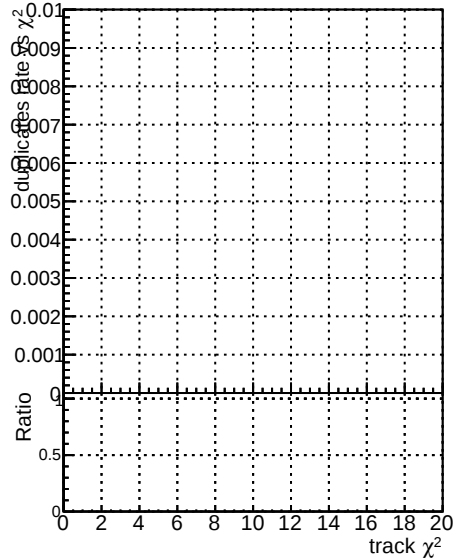


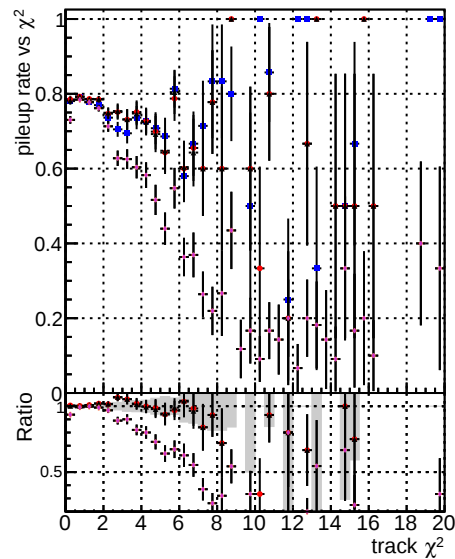
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. 

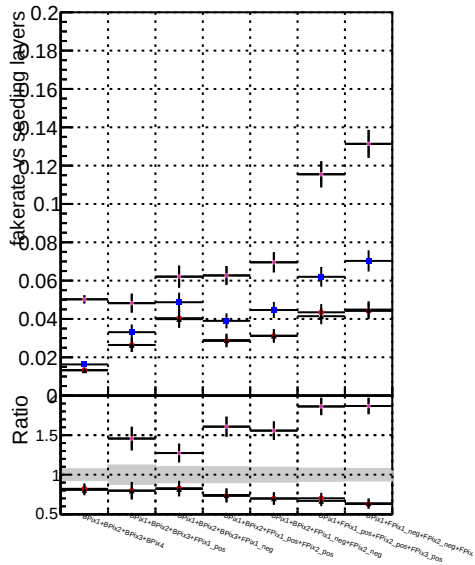


Figure 10 consists of two vertically stacked plots. The top plot shows the 'pileup rate vs seeding layers' for various methods. The y-axis ranges from 0.6 to 1.0. The x-axis lists several methods: $\text{fPr}1+\text{fPr}2+\text{fPr}3+\text{fPr}4$, $\text{fPr}1+\text{fPr}2+\text{fPr}3+\text{fPr}4_{\text{pos}}$, $\text{fPr}1+\text{fPr}2+\text{fPr}3+\text{fPr}4_{\text{neg}}$, $\text{fPr}1+\text{fPr}2+\text{fPr}3_{\text{pos}}+\text{fPr}4_{\text{pos}}$, $\text{fPr}1+\text{fPr}2+\text{fPr}3_{\text{neg}}+\text{fPr}4_{\text{neg}}$, $\text{fPr}1+\text{fPr}2+\text{fPr}3_{\text{pos}}+\text{fPr}4_{\text{neg}}$, $\text{fPr}1+\text{fPr}2+\text{fPr}3_{\text{neg}}+\text{fPr}4_{\text{pos}}$, and $\text{fPr}1+\text{fPr}2+\text{fPr}3_{\text{neg}}+\text{fPr}4_{\text{neg}}$. The bottom plot shows the 'Ratio' of different methods relative to a baseline, with values ranging from 0.9 to 1.1. The x-axis lists the same methods as the top plot. Both plots include error bars and a shaded gray region representing a reference range.