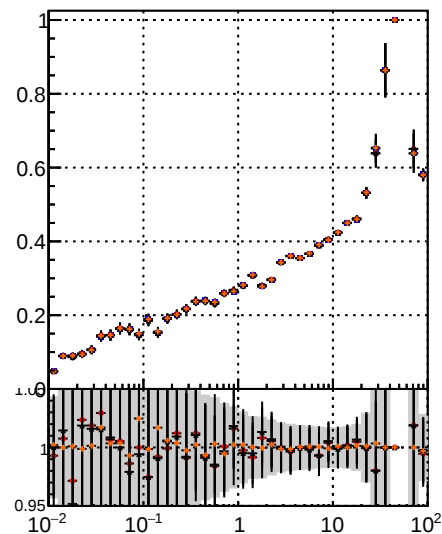
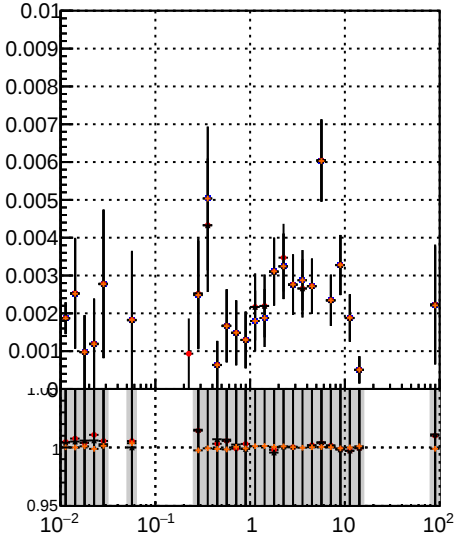


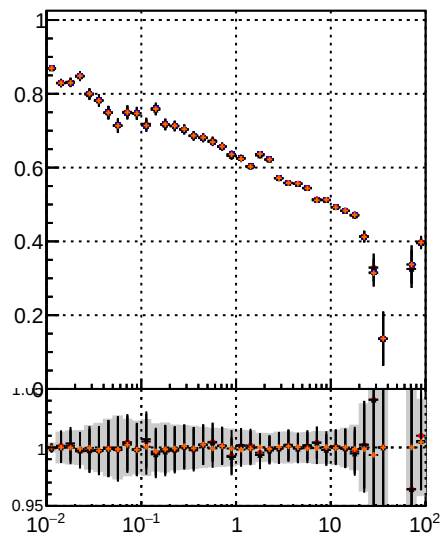
Fake rate vs vertpos



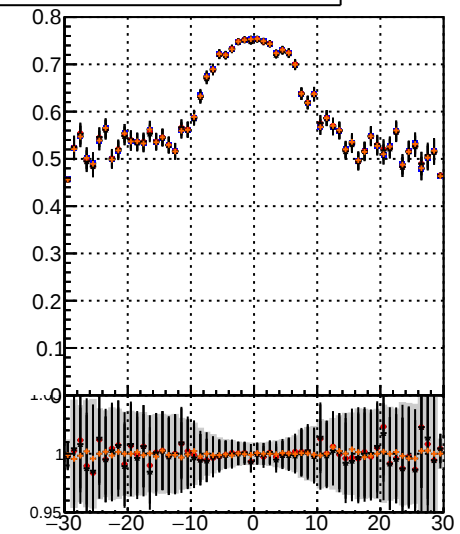
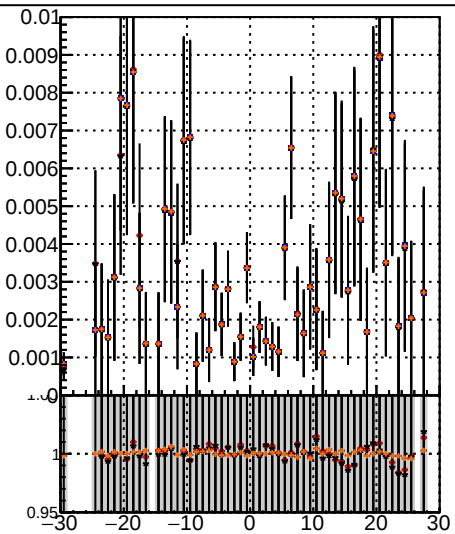
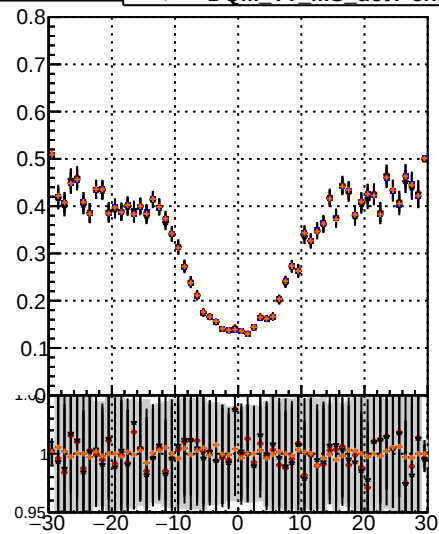
Duplicates Rate vs vertpos



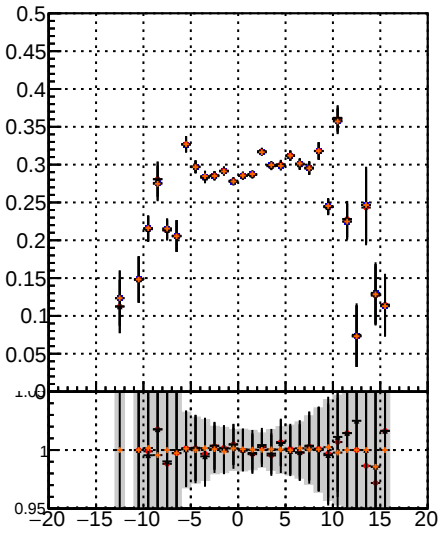
Pileup rate vs vertpos



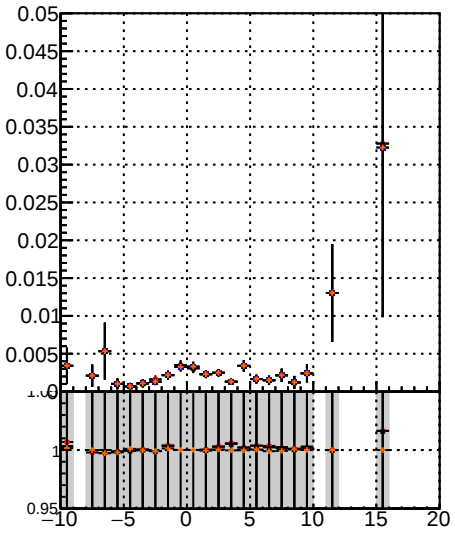
Fake rate vs $\sqrt{s}$
 Legend: $\sqrt{s}$ (red), $\sqrt{s}$ (blue), $\sqrt{s}$ (green), $\sqrt{s}$ (orange), $\sqrt{s}$ (purple), $\sqrt{s}$ (brown), $\sqrt{s}$ (pink), $\sqrt{s}$ (gray), $\sqrt{s}$ (black), $\sqrt{s}$ (white), $\sqrt{s}$ (yellow), $\sqrt{s}$ (cyan), $\sqrt{s}$ (magenta), $\sqrt{s}$ (darkred), $\sqrt{s}$ (darkblue), $\sqrt{s}$ (darkgreen), $\sqrt{s}$ (darkorange), $\sqrt{s}$ (darkpurple), $\sqrt{s}$ (darkbrown), $\sqrt{s}$ (darkpink), $\sqrt{s}$ (darkgray), $\sqrt{s}$ (darkblack), $\sqrt{s}$ (darkwhite), $\sqrt{s}$ (darkyellow), $\sqrt{s}$ (darkcyan), $\sqrt{s}$ (darkmagenta)



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

