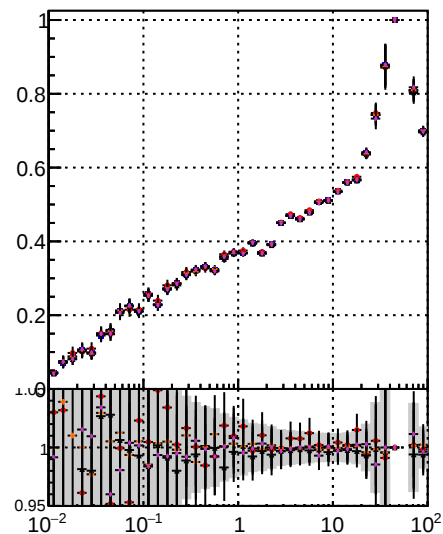
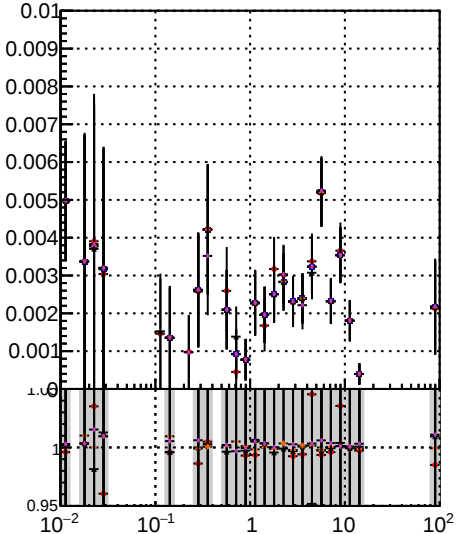


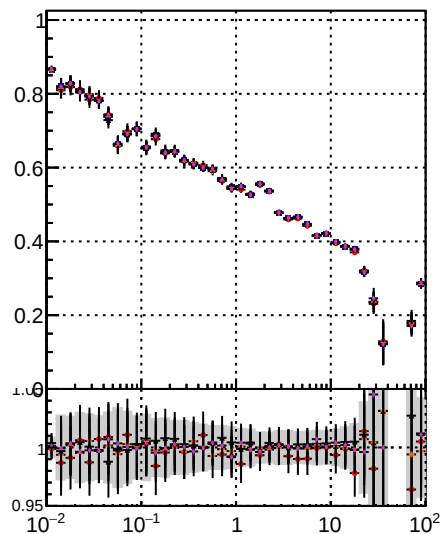
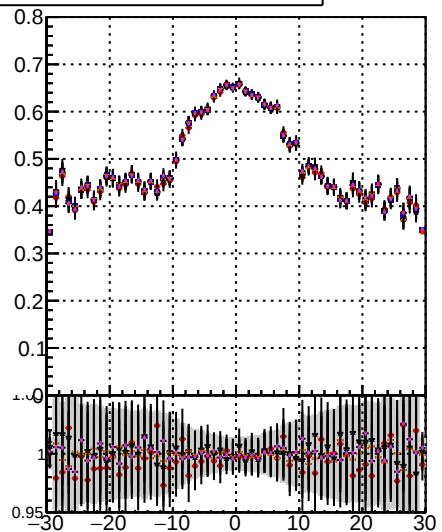
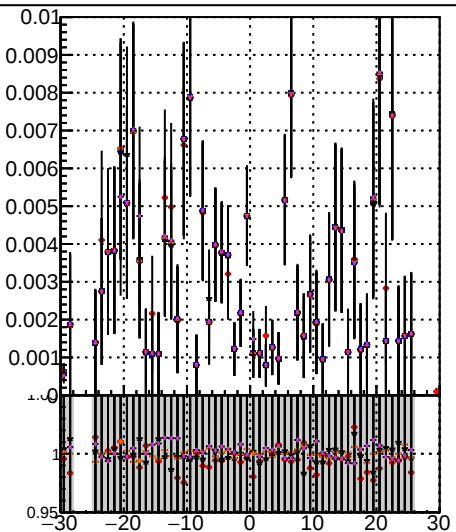
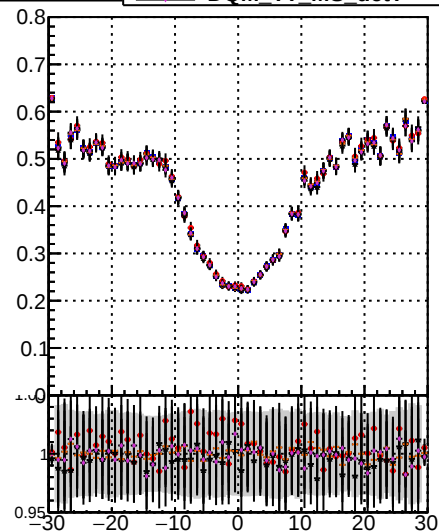
Fake rate vs vertpos



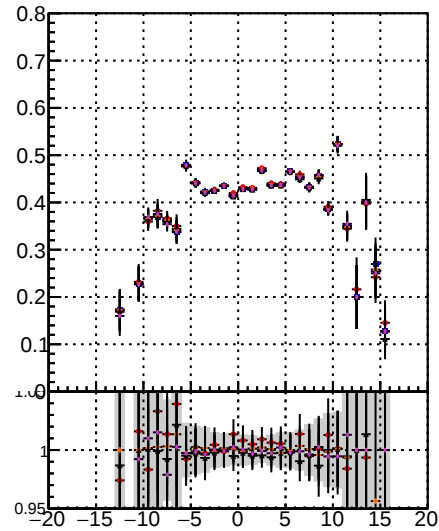
Duplicates Rate vs vertpos



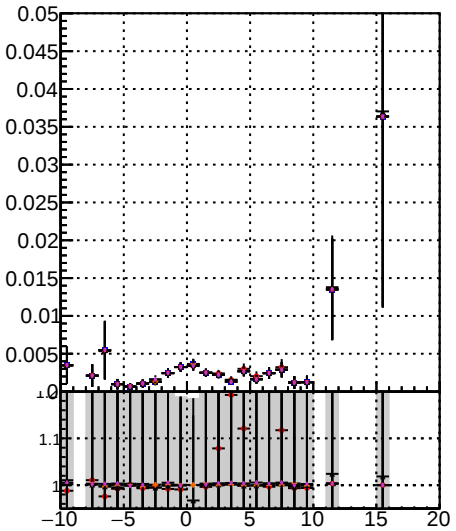
Pileup rate vs vertpos


 Fake rate vs $\sqrt{s}$
 Legend: $\sqrt{s}$ (blue), $\sqrt{s}$ (red), $\sqrt{s}$ (green), $\sqrt{s}$ (purple), $\sqrt{s}$ (brown), $\sqrt{s}$ (pink), $\sqrt{s}$ (grey), $\sqrt{s}$ (light blue), $\sqrt{s}$ (light green), $\sqrt{s}$ (light purple), $\sqrt{s}$ (light brown), $\sqrt{s}$ (light pink), $\sqrt{s}$ (light grey)


Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

