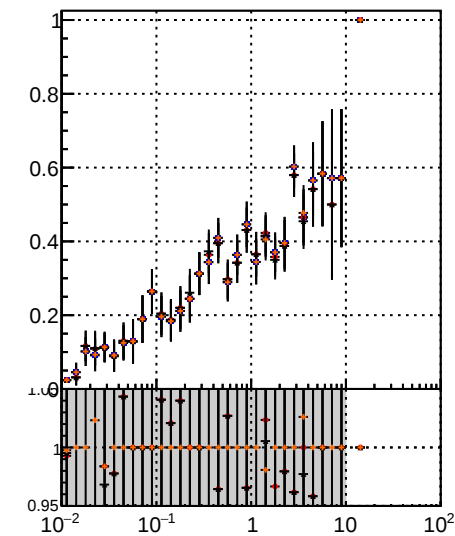


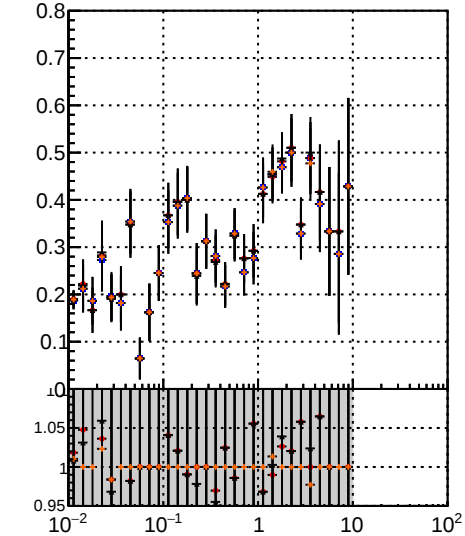
Fake rate vs vertpos



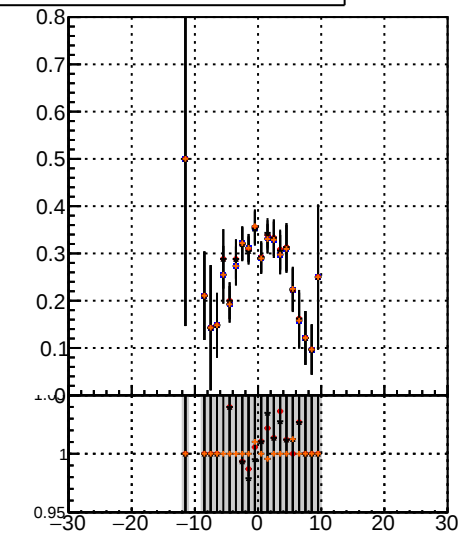
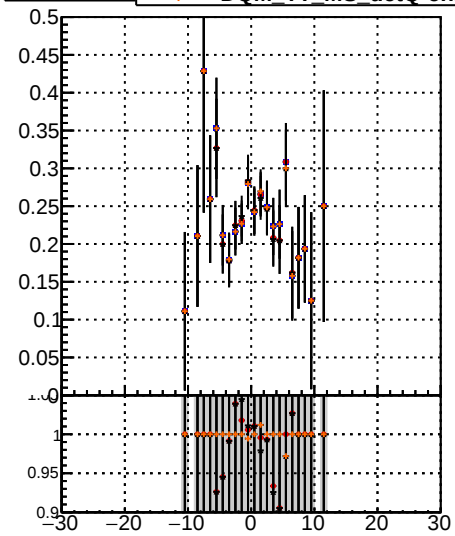
Duplicates Rate vs vertpos



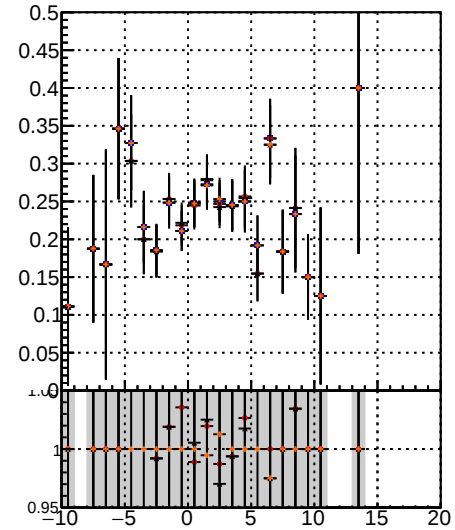
Pileup rate vs vertpos



Fake rate vs $\sqrt{s}$
 Legend: $\overline{\text{BQM}}$ (blue), BQM (red), TT (green), MS (orange), det0 (black), det1 (grey), det2 (light grey), det3 (dark grey), det4 (very dark grey), det5 (black), det6 (grey), det7 (light grey), det8 (dark grey), det9 (very dark grey)



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

