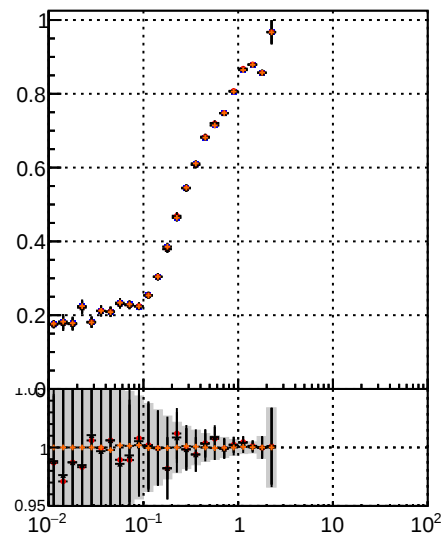
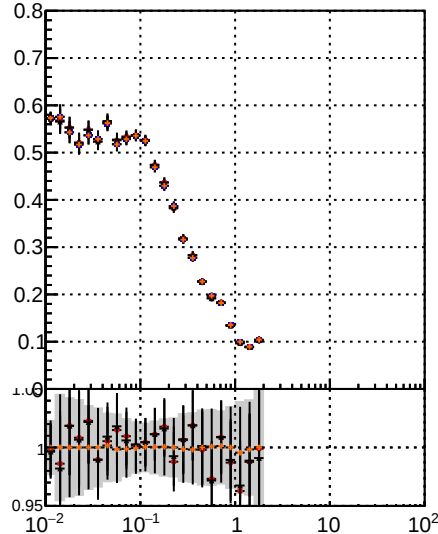


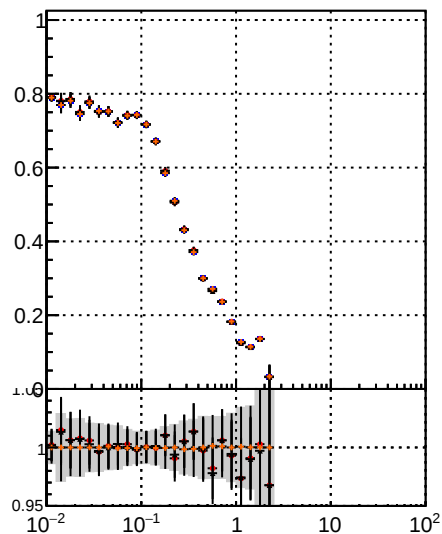
Fake rate vs verpos



Duplicates Rate vs verpos



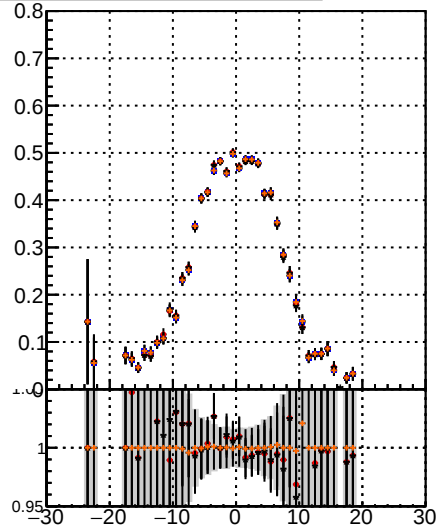
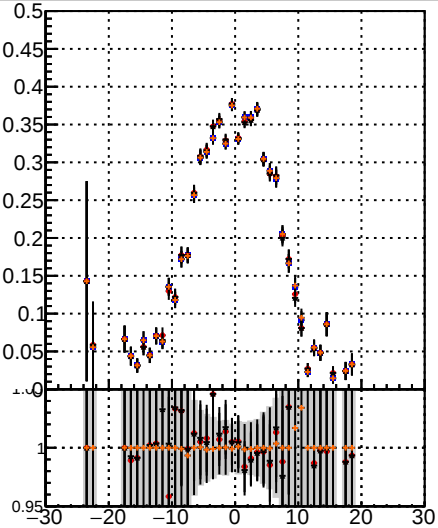
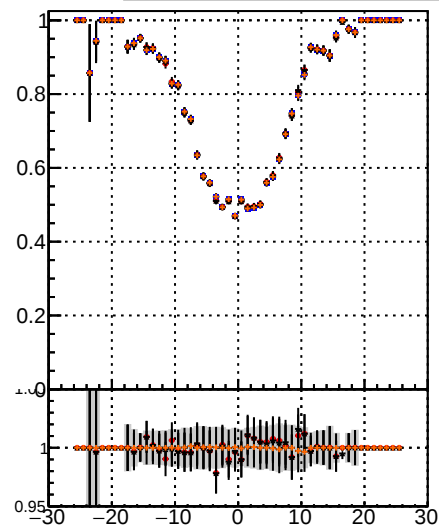
Pileup rate vs verpos



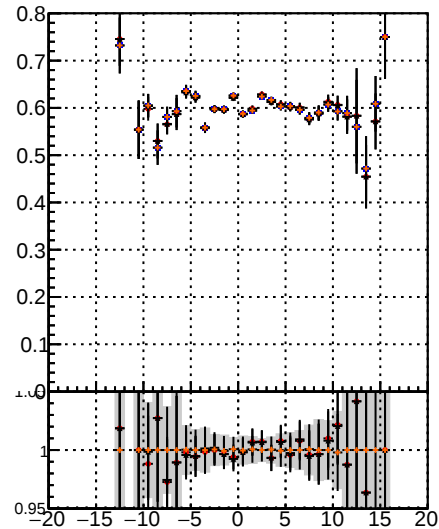
Fake rate vs $\sqrt{s}$

Legend:

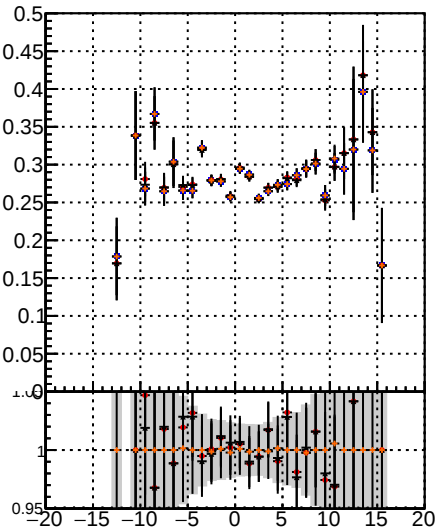
- Blue line: $\sqrt{s}$
- Red line: $\sqrt{s}$
- Black line: $\sqrt{s}$
- Orange line: $\sqrt{s}$
- Green line: $\sqrt{s}$
- Yellow line: $\sqrt{s}$
- Purple line: $\sqrt{s}$
- Brown line: $\sqrt{s}$
- Grey line: $\sqrt{s}$
- Light blue line: $\sqrt{s}$
- Light green line: $\sqrt{s}$
- Light yellow line: $\sqrt{s}$
- Light purple line: $\sqrt{s}$
- Light brown line: $\sqrt{s}$
- Light grey line: $\sqrt{s}$
- Light light blue line: $\sqrt{s}$
- Light light green line: $\sqrt{s}$
- Light light yellow line: $\sqrt{s}$
- Light light purple line: $\sqrt{s}$
- Light light brown line: $\sqrt{s}$
- Light light grey line: $\sqrt{s}$



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

