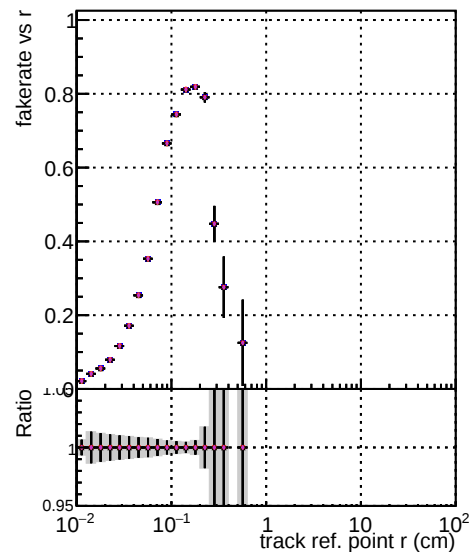
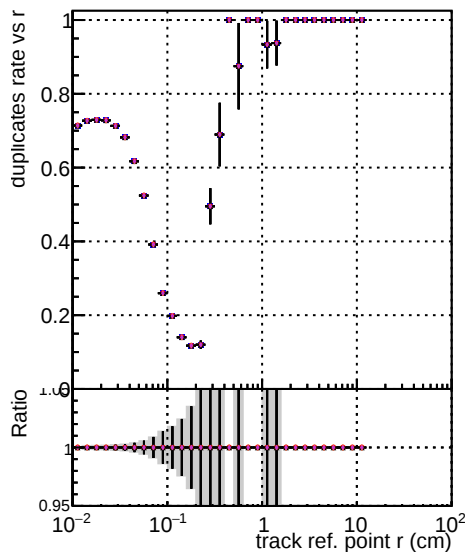


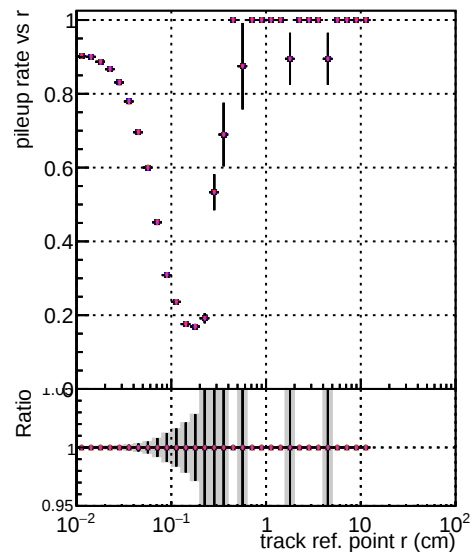
Fake rate vs vertpos



Duplicates Rate vs vertpos

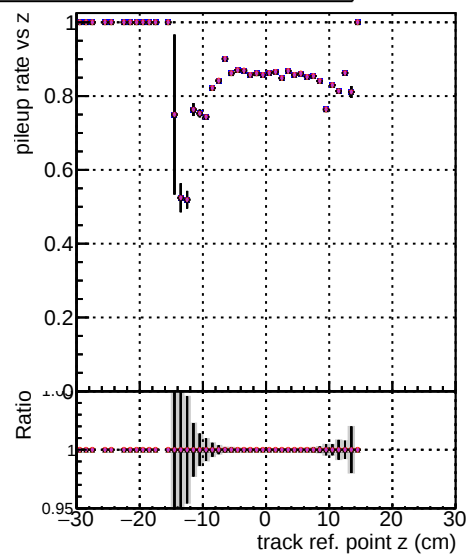
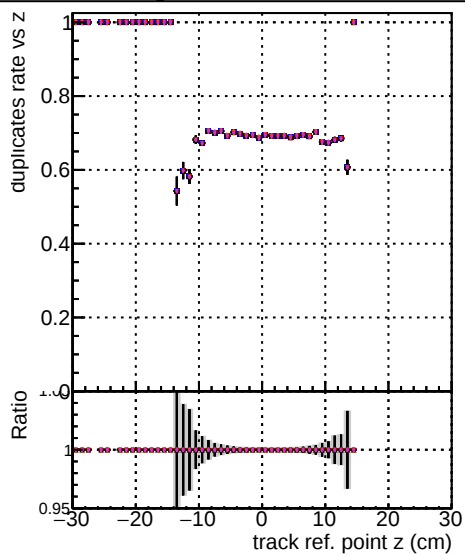
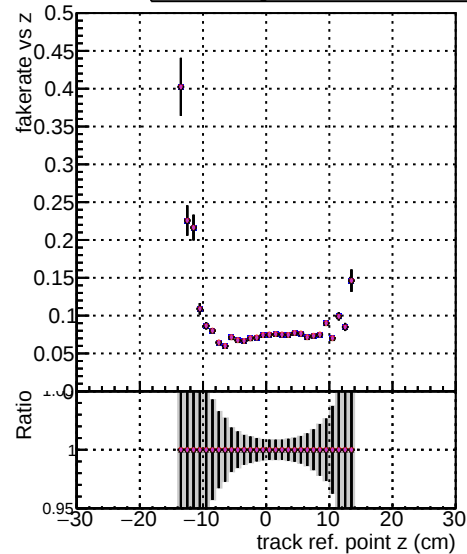


Pileup rate vs vertpos

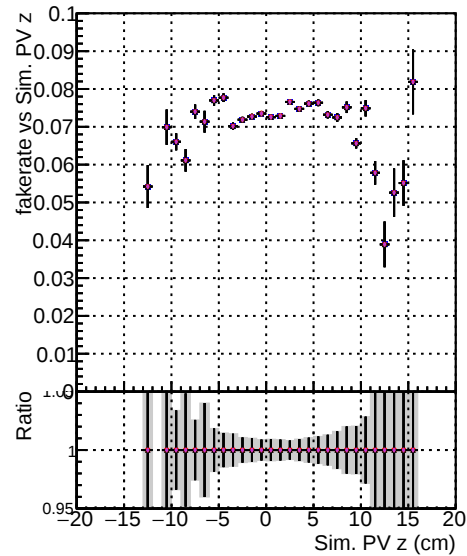


Fake rate vs v

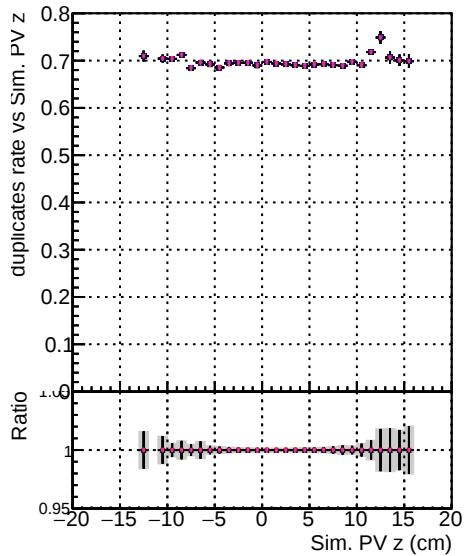
Legend:
 - original (black line)
 - model s4 truthfinal (blue line)
 - model s4 truthfinals reg (red line)
 - model s4 truthfinals reg model ES-11 (green line)
 - model s4 truthfinals reg model ES-12 (magenta line)
 - model s4 truthfinals reg model ES-15 (cyan line)
 - model s4 truthfinals reg model ES-12 (yellow line)
 - model s4 truthfinals reg model ES-11 (purple line)



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

