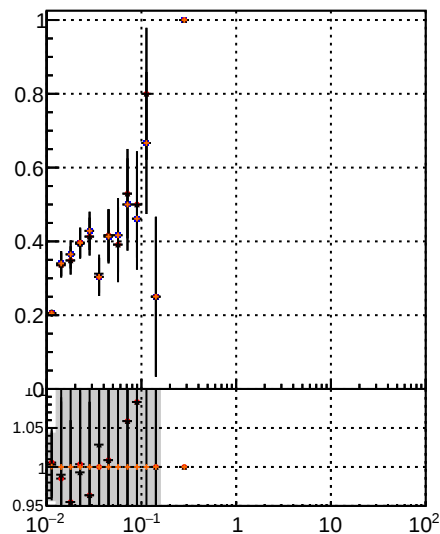


Fake rate vs vertpos



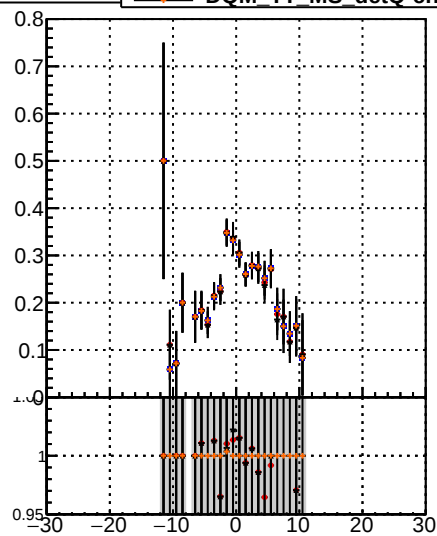
Duplicates Rate vs vertpos

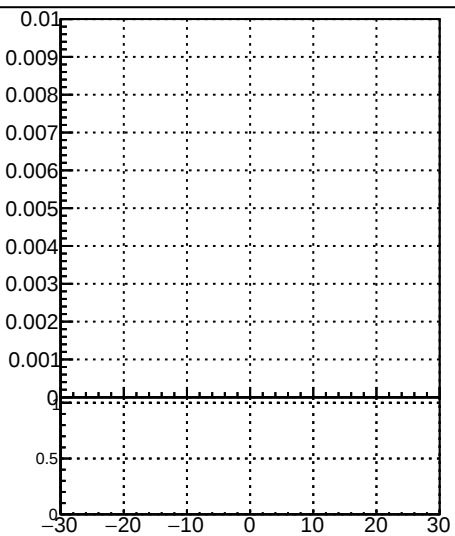


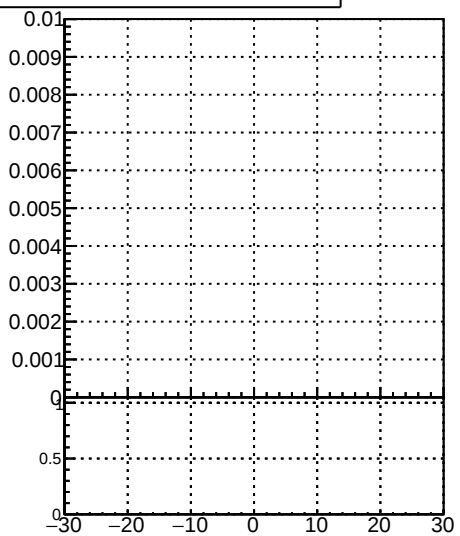
Pileup rate vs vertpos



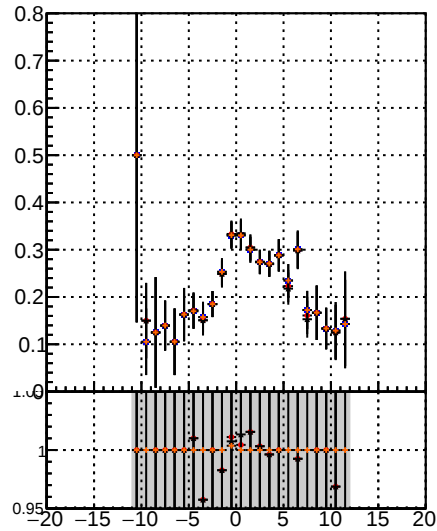
Diagram illustrating the detector layout for the Fake rate vs v study. The layout shows a cross-section of the detector with layers labeled DOM, TT, MS, and detO. The detO layer is further divided into detO-dpdq and detO-chi2. A box labeled "Fake rate vs v " is connected to the detector layers.



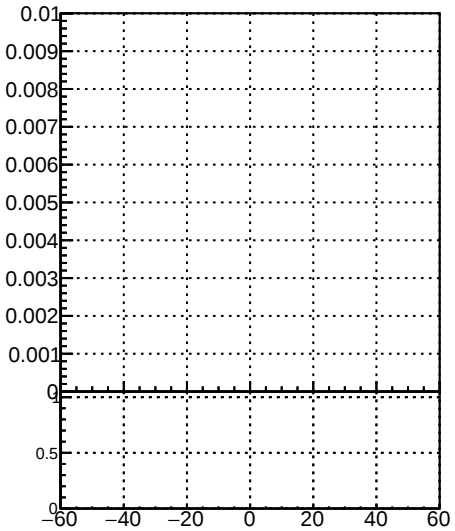




Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

