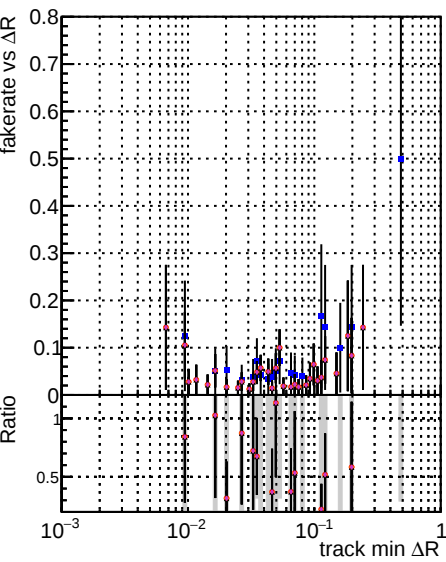


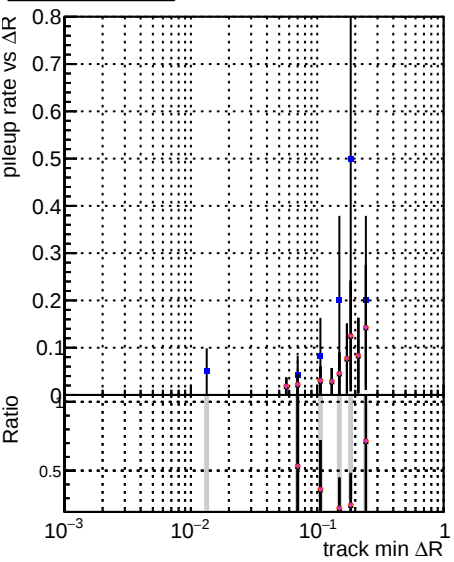
Fake rate vs dr



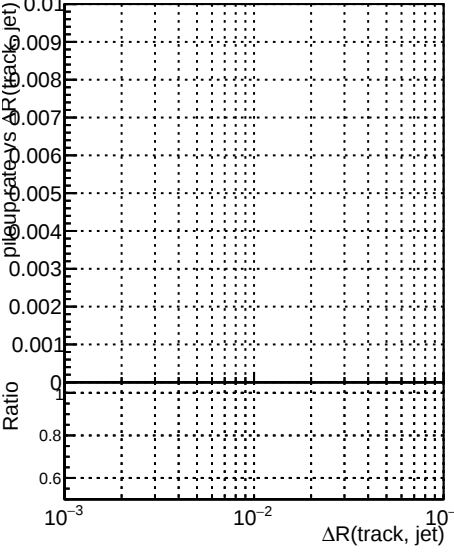
Duplicates Rate vs dr



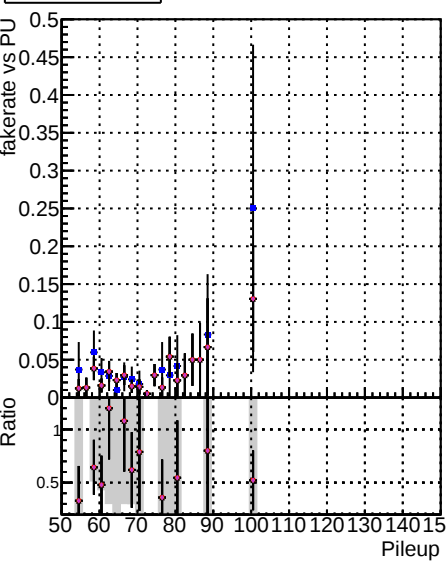
Pileup rate vs dr



Fake rate vs  $\Delta R(\text{track}, \text{jet})$  DQM CKF Tthor PU-updated PU-updated-new PLDNN-2



Fake rate vs pu



Duplicates Rate vs pu



Pileup rate vs pu

