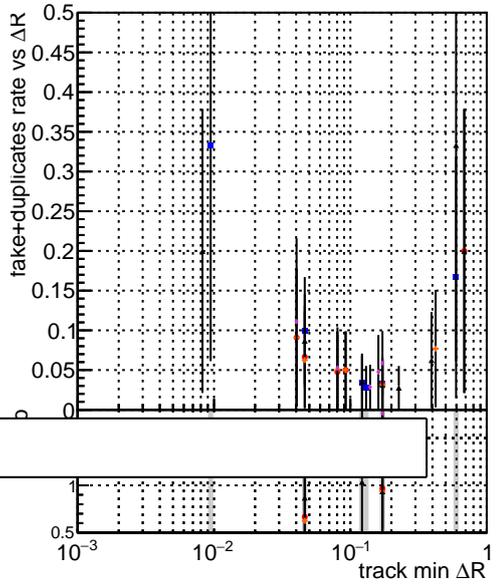
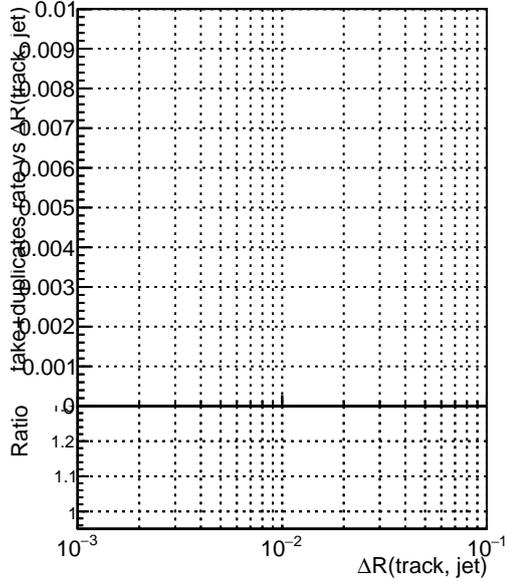


**fake+duplicates vs  $\Delta R$**

● DQMstep3 CKF  
● DQMstep3 default  
● DQMstep3 ckf+fixeLess  
● DQMstep3 default1  
● DQMstep3 defaultNEWTOLDSAMPLE



**fake+duplicates vs  $\Delta R(\text{track, jet})$**



**fake+duplicates vs PU**

