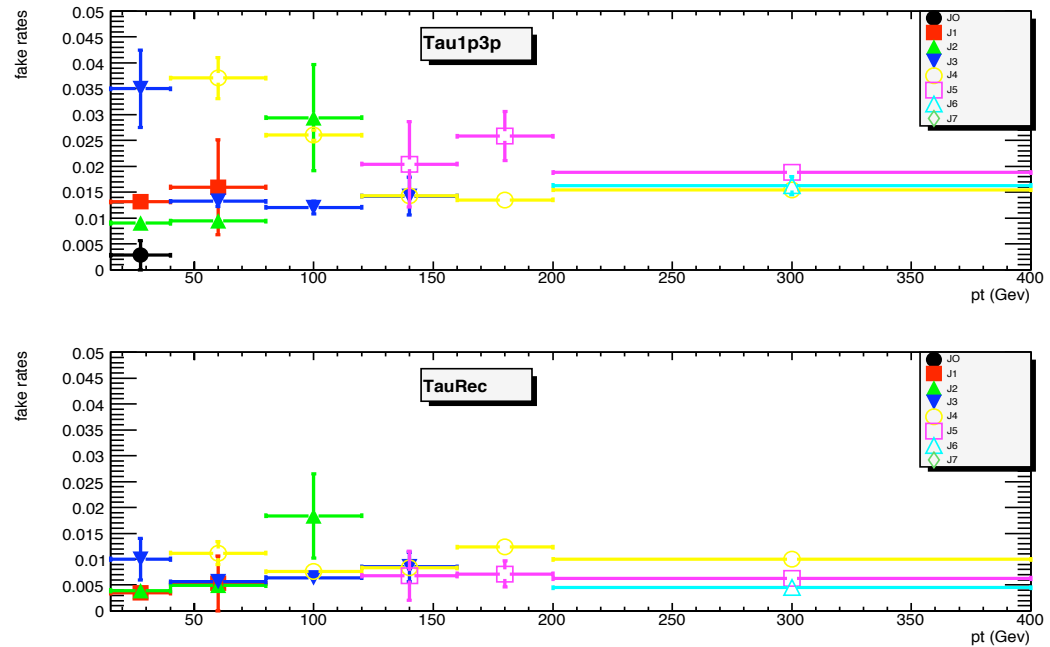


Tau Fake Rates

Event Selection

1. $n_{\text{jets}} \geq 2$
2. $P_t > 15 \text{ GeV} \ \& \ |\eta| < 2.5$
3. $\Delta P_t < P_{t_{\text{max}}}/2$
4. $\Delta\phi > \pi - 0.3$
5. Tag Jet
 - $n_{\text{tracks}} \geq 4$
6. Probe Jet
 - Overlap with Reco Tau
 - TauID
 - Good Tau
 - $P_t > 20 \text{ GeV} \ \& \ |\eta| < 2.5$
 - Overlap Removal
 - Tau1p3p
 - author = 1,3
 - TauDiscriCut = 1
 - !ele_veto
 - !mu_veto
 - TauRec
 - author = 1,2
 - TauRec LLH > 4
 - Electron LLH > 1.6



	Tau1p3p (%)	TauRec (%)
J0	0.321	0.000
J1	1.396	0.373
J2	0.966	0.449
J3	1.390	0.637
J4	1.672	0.989
J5	1.932	0.644
J6	1.888	0.380
J7	1.769	0.348