QCD simulation, PU200 1.0 8.0 0.6 0.4 Neutral hadrons Rule-based PF 0.2 **MLPF** 0.0 20 30 40 10 50 E [GeV] 1.0 Fake rate Neutral hadrons Rule-based PF 8.0 **MLPF** 0.6 0.4 0.2 0.0 10 50 20 40 30 E [GeV]