QCD simulation, PU200 1.0 8.0 0.6 0.4 Muons 0.2 Rule-based PF **MLPF** 0.0 2.5 -5.0 -2.5 0.0 5.0 η 1.0 Fake rate Muons Rule-based PF 8.0 MLPF 0.6 0.4 0.2 0.0 2.5 -5.0 -2.5 0.0 5.0 η