ResNet ROC Curves, y Rejection ---- 3 Class, AUC 0.587 10^{6} 3 Class After Neg. Q Fix, AUC 0.689 ----- e- vs. γ 2-Class, AUC 0.733 10^{5} Rejection Background F 10^{1} 10^{0} 0.6 0.2 0.0 0.8 1.0 e- Signal Efficiency