ALL XGBoost selected (true and false positive) Background mass² histogram Counts XGBoost selected true protons XGBoost selected true kaons 120 XGBoost selected true pions 100 80 60 40 20 0 -0.15-0.10-0.050.00 0.05 0.10 0.15 $m^2 (GeV/c^2)^2$