Significance on EFT HDS ee, trained network on EFT HDS *m*_{Z′} 130 GeV *m*_{Z′} 200 GeV *m*_{Z′} 400 GeV $m_{Z^{\prime}}$ 600 GeV Expected significance [σ] 0 0 0 10^{-7} 0.2 0.0 0.4 0.6 8.0 1.0 XGBoost output