Significance on DH HDS ee, trained network on SR1 *m*_{Z′} 130 GeV *m*_{Z′} 200 GeV *m*_{Z′} 400 GeV m_{Z^\prime} 600 GeV 10^{-2} Expected significance $[\sigma]$ 10^{-3} 10^{-4} 0.2 0.0 0.4 0.6 8.0 1.0 XGBoost output