Significance on DH LDS ee, trained network on SR1 *m*_{Z'} 130 GeV *m*_{Z′} 200 GeV *m*_{Z′} 400 GeV m_{Z^\prime} 600 GeV 6×10^{-2} Expected significance [σ] about 4×10^{-2} 3×10^{-2} 2×10^{-2} 0.2 0.4 0.0 0.6 8.0 1.0 XGBoost output