Significance on DH LDS ee, trained network on SR3 *m*_{Z′} 130 GeV *m*_{Z′} 200 GeV 4×10^{-1} *m*_{Z′} 400 GeV m_{Z^\prime} 600 GeV 3×10^{-1} Expected significance $[\sigma]$ 2 × 10⁻¹ 10^{-1} 0.2 0.4 0.0 0.6 8.0 1.0 XGBoost output