Significance on DH HDS ee, trained network on SR2 *m*_{Z′} 130 GeV m_{Z^\prime} 200 GeV *m*_{Z′} 400 GeV $m_{Z^{\prime}}$ 600 GeV 10^{-1} Expected significance $[\sigma]$ 10^{-2} 10⁻³

0.4

0.6

XGBoost output

8.0

1.0

0.2

0.0