Significance on DH HDS ee, trained network on SR2 *m*<sub>Z′</sub> 130 GeV  $m_{Z^\prime}$  200 GeV *m*<sub>Z′</sub> 400 GeV  $10^{-1}$  $m_{Z^{\prime}}$  600 GeV Expected significance  $[\sigma]$  $10^{-2}$ 10<sup>-3</sup> 0.2 0.0 0.4 0.6 8.0 1.0 XGBoost output