Significance on LV HDS uu, trained network on SR3 *m*<sub>Z′</sub> 130 GeV *m*<sub>Z′</sub> 200 GeV *m*<sub>Z′</sub> 400 GeV  $m_{Z^{\prime}}$  600 GeV  $10^{-1}$ Expected significance [ $\sigma$ ] 0 0  $^{-1}$ 0.2 0.0 0.4 0.6 8.0 1.0 XGBoost output