

DL  $\geq$  4 jets, 3 b-tags

$$\mu < 5.32$$

- Expected  $\pm 1\sigma$
- Expected  $\pm 2\sigma$
- - - Observed
- - Signal injected

DL  $\geq$  4 jets,  $\geq$  4 b-tags low BDT

$$\mu < 5.67$$

DL  $\geq$  4 jets,  $\geq$  4 b-tags high BDT

$$\mu < 3.12$$

SL 4 jets,  $\geq$  3-btags DNN

$$\mu < 3.11$$

SL 5 jets,  $\geq$  3-btags DNN

$$\mu < 2.18$$

SL  $\geq$  6 jets,  $\geq$  3-btags DNN

$$\mu < 2.82$$

DL BDT+MEM and SL DNN

$$\mu < 1.51$$

1

10

10<sup>2</sup>95% CL limit on  $\mu = \sigma/\sigma_{\text{SM}}$  at  $m_H = 125 \text{ GeV}$