

dijet efficiency

CMS Simulation,  $\sqrt{s} = 8$  TeV

---●---  $H^0(1000) \rightarrow 2X^0(150)(X^0 \rightarrow q\bar{q})$

---●---  $H^0(1000) \rightarrow 2X^0(50)(X^0 \rightarrow q\bar{q})$

---●---  $H^0(400) \rightarrow 2X^0(50)(X^0 \rightarrow q\bar{q})$

0.2

0.3

0.4

0.5

0.6

0.7

0.8

$q\bar{q} \Delta R$

0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9