

(13 TeV)

Background efficiency

**CMS** *Simulation*

**H  $\rightarrow$  WW 4q vs QCD**

$p_T > 200$  GeV,  $|\eta| < 2.4$

$m_{SD} > 30$  GeV

- ParT ( $200 < p_T < 400$  GeV)
- - ParT ( $400 < p_T < 600$  GeV)
- ⋯ ParT ( $600 < p_T < 1000$  GeV)
- · - DeepAK8-MD ( $200 < p_T < 400$  GeV)
- · - DeepAK8-MD ( $400 < p_T < 600$  GeV)
- · - DeepAK8-MD ( $600 < p_T < 1000$  GeV)

Signal efficiency

