

**CMS Preliminary** $t^{bqq}$  enriched Data/MC = 0.886

QCD

TT Unmatched

TT tlqq matched

TT tbqq matched

TT W matched

WJets

Rest

● data

+ TotalSignal×1000

+ ggF×1000

+ VH×1000

+ ttH×1000

+ VBF×1000

Events

400

350

300

250

200

150

100

50

Data  
bkg MC

2

0

 $S/\sqrt{B+1}$ 

0.025

0.000

jet<sub>a</sub> : HWW score(without P<sub>top</sub> in denominator)

0.60

0.65

0.70

0.75

0.80

0.85

0.90

0.95

1.00