

35.9 fb<sup>-1</sup> (13 TeV)

Events / 7 GeV

$\times 10^3$

**CMS**

*Preliminary*

500 < p<sub>T</sub> < 1000 GeV

failing region

W

Z

t $\bar{t}$

Multijet

H(bb)

Total background

• Data

350

300

250

200

150

100

50

0

Data - (Multijet + t $\bar{t}$ )

$\sigma_{\text{Data}}$

40

30

20

10

0

m<sub>SD</sub> (GeV)

