

35.9 fb<sup>-1</sup> (13 TeV)**CMS** $450 < p_T < 500$  GeV

Deep AK8

Passing region

--- W

--- Z

---  $t\bar{t}$ 

--- Multijet

Total background

• Data

Events / 7 GeV

1000

800

600

400

200

0

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

80

60

40

20

0

 $m_{\text{SD}}$  (GeV)

60

80

100

120

140

160