

35.9 fb<sup>-1</sup> (13 TeV)**CMS**800 < p<sub>T</sub> < 1200 GeV

Deep AK8

Passing region

--- W

... Z

- - - t $\bar{t}$ 

--- Multijet

Total background

• Data

120

100

80

60

40

20

0

Events / 7 GeV

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

4

2

0

-2

-4

60

80

100

120

140

160

180

200

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