

35.9 fb<sup>-1</sup> (13 TeV)**CMS** $800 < p_T < 1200$  GeV

Deep AK8

Passing region

--- W

... Z

- - -  $t\bar{t}$ 

--- Multijet

Total background

• Data

Events / 7 GeV

300

250

200

150

100

50

0

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

2

0

-2

-4

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

60

80

100

120

140

160

180

200