

35.9 fb⁻¹ (13 TeV)**CMS** $500 < p_T < 550$ GeV

Deep AK8

Passing region

--- W

... Z

- - - $t\bar{t}$

--- Multijet

Total background

• Data

Events / 7 GeV

 $\frac{\text{Data} - (\text{Multijet} + t\bar{t})}{\sigma_{\text{Data}}}$ σ_{Data} m_{SD} (GeV)