

MadGraph5 + Delphes

pp $\sqrt{s} = 14$ TeV L = 1 ab⁻¹

Selection: 0B2S

$\chi^2/\text{ndf}=0.61$ KS=0.99

Sig. signif.: 25.8

-1 •

Pseudo-data

- $Z' \rightarrow t\bar{t}$, $m_{Z'} = 1$ TeV ($\times 37500 \cdot 2^{4.0}$)
- $t\bar{t}$, $p_T^{j1} \geq 200$ GeV $p_T^{j2} \in (60, 200)$ GeV
- $t\bar{t}$, $p_T^{j1, j2} \geq 200$ GeV
- $t\bar{t}$, $p_T^{j1, j2} \in (60, 200)$ GeV
- WWbb, $p_T^{j1, j2} > 60$ GeV
- Wbbjj, $p_T^{j1, j2} > 60$ GeV
- bbjj, $p_T^{j1} \geq 200$ GeV $p_T^{j2} \in (60, 200)$ GeV
- bbjj, $p_T^{j1, j2} \geq 200$ GeV
- bbjj, $p_T^{j1, j2} \in (60, 200)$ GeV

