

MadGraph5 + Delphes

pp $\sqrt{s} = 14$ TeV L = 1 ab⁻¹

Selection: 2B0S

$\chi^2/\text{ndf}=0.24$ KS=0.98

Sig. signif.: 18.0

- Pseudo-data
- $Z' \rightarrow t\bar{t}$, $m_{Z'} = 1$ TeV ($\times 37500 \cdot 2^{0.5}$)
 - $t\bar{t}$, $p_T^{j1} \geq 200$ 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

