MadGraph5 + Delphes Pseudo-data pp $\sqrt{s} = 14 \text{ TeV L} = 1 \text{ ab}^{-1}$ באלברופת פאפוווס /
$$\begin{split} Z' &\to t\bar{t}, \, m_{Z'} = 1 \; \text{TeV} \, (\times 37500^* 2^{0.5}) \\ t\bar{t}, \, p_{\bar{t}}^{j1} &\ge 200 \; \text{GeV} \; p_{T}^{j2} \in (60,\!200) \; \text{GeV} \\ t\bar{t}, \, p_{\bar{t}_{L};2}^{j1} &\ge 200 \; \text{GeV} \end{split}$$
10000 **Selection: 2B0S** ∈ (60, 200) GeV χ^2 /ndf=0.24 KS=0.98), > 60 GeV Wbbjj, $p_{T}^{j_{1},j_{2}}$ > 60 GeV bbjj, $p_{T}^{j_{1}}$ ≥ 200 GeV $p_{T}^{j_{2}}$ ∈ (60,200) GeV bbjj, $p_{T}^{j_{1},j_{2}}$ ≥ 200 GeV bbjj, $p_{T}^{j_{1},j_{2}}$ ∈ (60,200) GeV Sig. signif.: 18.0 8000 6000 4000 2000 signif. 800 1000 1200 1400 1600 1800 2000 detector m^{tt} [GeV]