MadGraph5 + Delphes Pseudo-data pp $\sqrt{s} = 14 \text{ TeV L} = 1 \text{ ab}^{-1}$ באלברופת פאפוווס /
$$\begin{split} Z' &\to t\bar{t}, \ m_{Z'} = 1 \ \text{TeV} \ (\times 37500^* 2^{2.0}) \\ t\bar{t}, \ p_{\bar{t}}^{j_1} &\ge 200 \ \text{GeV} \ p_{\bar{t}}^{j_2} \in (60,\!200) \ \text{GeV} \\ t\bar{t}, \ p_{\bar{t}_t,j_2}^{j_1} &\ge 200 \ \text{GeV} \end{split}$$
Selection: 1B1S 10000 ∈ (60, 200) GeV χ^2 /ndf=1.03 KS=1.00) > 60 GeV $\begin{array}{l} \text{Wbbjj, } p_{T}^{j_{1},j_{2}} > 60 \text{ GeV} \\ \text{bbjj, } p_{T}^{j_{1}} \geq 200 \text{ GeV } p_{T}^{j_{2}} \in (60,\!200) \text{ GeV} \\ \text{bbjj, } p_{T}^{j_{1},j_{2}} \geq 200 \text{ GeV} \\ \text{bbjj, } p_{T}^{j_{1},j_{2}} \in (60,\!200) \text{ GeV} \end{array}$ Sig. signif.: 15.5 8000 6000 4000 2000 signif. 600 800 1000 1200 1400 1600 1800 detector m^{tt} [GeV]