of background predictions. The multiplicity of jets that pass the b-tagging selections is given in Fig. 6, again separately for the $e^\pm\mu^\mp$ and the summed $e^+e^-$ and $\mu^+\mu^-$ channels. The observed number of events and the expectation from MC-simulations and data-driven means are presented in the Table 3 for a $t\bar{t}$ cross section of 164 pb. Good overall agreement is observed between predictions and data.

![Graphs showing $p_T$ distributions for $e^\pm$ and $\mu^\pm$](image)

Figure 1: The $p_T$ distributions for the highest-$p_T$ (a) electrons, (b) muons, and (c) jets, after the jet multiplicity selection. The expected distributions for the $t\bar{t}$ signal and individual backgrounds are shown by the histograms, and include all data-based corrections. A $t\bar{t}$ cross section of 164 pb is used to normalize the simulated $t\bar{t}$ signal. In this and all following figures, the hatched regions show the total uncertainties on the sum of the $t\bar{t}$ and background predictions. The ratios of data to the sum of the $t\bar{t}$ and background predictions are given at the bottom of each panel.