## ptbalance 40 GeV < $p_{_{\rm T}}^{Z}$ < 50 GeV, 2.500 < $|\eta_{_{\rm iet}}|$ < 2.964, MC $\chi^2$ fit = 6.81 pile up $\sigma_{gauss}$ = 0.201 $\pm$ 0.012 pli ⊗ gauss $\mu_{\text{gauss}} = \textbf{0.03}\,\pm\textbf{0.009}$ 100 80 **60** 40 **20** 0.6 8.0 0.9