**ptbalance**

$85 \text{ GeV} < p_T^Z < 105 \text{ GeV}, 1.305 < |\eta_{jet}| < 1.930$, MC

$\chi^2$ **fit = 1.54**

$\sigma_{gauss}$ **= 0.133 $\pm$ 0.004**

$\mu_{gauss}$ **= 0.011 $\pm$ 0.003**

---- **pile up**

---- **pli $\otimes$ gauss**

Events / ( 0.02 )

$p_{T_{Jet}} / p_{T_Z}$