

Cross section variables	$p$ -values of $\chi^2$ (in %)		
	POW+PYT (w. unc.)	FxFx+PYT	POW+HER
$N_{\text{jet}}(p_{\text{T}} > 40 \text{ GeV})$	30 (63)	<1	12
$N_{\text{jet}}(p_{\text{T}} > 100 \text{ GeV})$	<1 (8)	<1	19
$[N_{\text{jet}}, p_{\text{T}}(\mathbf{t})]$	<1 (12)	<1	<1
$[N_{\text{jet}},  y(\mathbf{t}) ]$	<1 (1)	<1	<1
$[N_{\text{jet}}, p_{\text{T}}(\mathbf{t}\bar{\mathbf{t}})]$	<1 (<1)	<1	<1
$[N_{\text{jet}}, m(\mathbf{t}\bar{\mathbf{t}})]$	<1 (<1)	<1	<1
$[N_{\text{jet}},  y(\mathbf{t}\bar{\mathbf{t}}) ]$	22 (94)	<1	65
$[N_{\text{jet}},  \Delta\eta(\mathbf{t}, \bar{\mathbf{t}}) ]$	<1 (<1)	<1	<1
$[N_{\text{jet}}^{0,1+}, m(\mathbf{t}\bar{\mathbf{t}}),  y(\mathbf{t}\bar{\mathbf{t}}) ]$	<1 (<1)	<1	<1
$[N_{\text{jet}}^{0,1,2+}, m(\mathbf{t}\bar{\mathbf{t}}),  y(\mathbf{t}\bar{\mathbf{t}}) ]$	<1 (<1)	<1	<1
$[N_{\text{jet}}^{0,1,2,3+}, m(\mathbf{t}\bar{\mathbf{t}}),  y(\mathbf{t}\bar{\mathbf{t}}) ]$	<1 (<1)	<1	<1