

Cross section variables	$p$ -values of $\chi^2$ (in %)	
	POW+PYT (w. unc.)	STRIPPER
$p_T(\mathbf{t})$	<1 (7)	83
$p_T(\bar{\mathbf{t}})$	3 (15)	82
$y(\mathbf{t})$	3 (7)	29
$y(\bar{\mathbf{t}})$	<1 (2)	37
$p_T(\mathbf{t}\bar{\mathbf{t}})$	<1 (33)	<1
$y(\mathbf{t}\bar{\mathbf{t}})$	51 (81)	6
$m(\mathbf{t}\bar{\mathbf{t}})$	59 (81)	73
$ \Delta\phi(\mathbf{t}, \bar{\mathbf{t}}) $	82 (97)	<1
$ y(\mathbf{t})  -  y(\bar{\mathbf{t}}) $	4 (20)	81
$p_T(\mathbf{t})/m(\mathbf{t}\bar{\mathbf{t}})$	<1 (<1)	9
$p_T(\mathbf{t}\bar{\mathbf{t}})/m(\mathbf{t}\bar{\mathbf{t}})$	2 (57)	<1
$\log(\xi_1)$	8 (34)	28
$\log(\xi_2)$	32 (67)	33