

Cross section variables	$p$ -values of $\chi^2$ (in %)	
	POW+PYT (w. unc.)	STRIPPER (w. unc.)
$p_T(\mathbf{t})$	<1 (7)	83 (95)
$p_T(\bar{\mathbf{t}})$	3 (15)	82 (94)
$y(\mathbf{t})$	3 (7)	29 (29)
$y(\bar{\mathbf{t}})$	<1 (2)	37 (44)
$p_T(\mathbf{t}\bar{\mathbf{t}})$	<1 (33)	<1 (25)
$y(\mathbf{t}\bar{\mathbf{t}})$	51 (81)	6 (23)
$m(\mathbf{t}\bar{\mathbf{t}})$	59 (81)	73 (95)
$ \Delta\phi(\mathbf{t}, \bar{\mathbf{t}}) $	82 (97)	<1 (65)
$ y(\mathbf{t})  -  y(\bar{\mathbf{t}}) $	4 (20)	81 (88)
$p_T(\mathbf{t})/m(\mathbf{t}\bar{\mathbf{t}})$	<1 (<1)	9 (39)
$p_T(\mathbf{t}\bar{\mathbf{t}})/m(\mathbf{t}\bar{\mathbf{t}})$	2 (57)	<1 (56)
$\log(\xi_1)$	8 (34)	28 (28)
$\log(\xi_2)$	32 (67)	33 (33)