

Cross section variables	p -values of χ^2 (in %)	
	POW+PYT (w. unc.)	STRIPPER (w. unc.)
$p_T(\mathbf{t})$	<1 (7)	88 (97)
$p_T(\bar{\mathbf{t}})$	<1 (11)	82 (97)
$y(\mathbf{t})$	<1 (5)	33 (34)
$y(\bar{\mathbf{t}})$	<1 (1)	43 (53)
$p_T(\mathbf{t}\bar{\mathbf{t}})$	<1 (37)	<1 (35)
$y(\mathbf{t}\bar{\mathbf{t}})$	35 (78)	6 (11)
$m(\mathbf{t}\bar{\mathbf{t}})$	46 (80)	80 (94)
$ \Delta\phi(\mathbf{t}, \bar{\mathbf{t}}) $	40 (85)	<1 (18)
$ y(\mathbf{t}) - y(\bar{\mathbf{t}}) $	3 (23)	87 (91)
$p_T(\mathbf{t})/m(\mathbf{t}\bar{\mathbf{t}})$	<1 (<1)	11 (28)
$p_T(\mathbf{t}\bar{\mathbf{t}})/m(\mathbf{t}\bar{\mathbf{t}})$	1 (59)	<1 (51)
$\log(\xi_1)$	7 (35)	34 (35)
$\log(\xi_2)$	22 (67)	37 (39)