

Cross section variables	p -values of χ^2 (in %)		
	POW+PYT (w. unc.)	FxFx+PYT	POW+HER
$p_T(\mathbf{t})$	<1 (7)	<1	46
$p_T(\bar{\mathbf{t}})$	<1 (11)	<1	68
$y(\mathbf{t})$	<1 (5)	<1	4
$y(\bar{\mathbf{t}})$	<1 (1)	<1	<1
$p_T(\mathbf{t}\bar{\mathbf{t}})$	<1 (37)	<1	<1
$y(\mathbf{t}\bar{\mathbf{t}})$	35 (78)	3	74
$m(\mathbf{t}\bar{\mathbf{t}})$	46 (80)	67	39
$ \Delta\phi(\mathbf{t}, \bar{\mathbf{t}}) $	40 (85)	43	13
$ y(\mathbf{t}) - y(\bar{\mathbf{t}}) $	3 (23)	5	2
$p_T(\mathbf{t})/m(\mathbf{t}\bar{\mathbf{t}})$	<1 (<1)	<1	1
$p_T(\mathbf{t}\bar{\mathbf{t}})/m(\mathbf{t}\bar{\mathbf{t}})$	1 (59)	<1	<1
$\log(\zeta_1)$	7 (35)	4	3
$\log(\zeta_2)$	22 (67)	3	36