

Cross section variables	p -values of χ^2 (in %)		
	POW+PYT (w. unc.)	FxFx+PYT	POW+HER
$[y(t) , p_T(t)]$	<1 (5)	<1	2
$[m(t\bar{t}), p_T(t)]$	<1 (<1)	<1	<1
$[p_T(t), p_T(t\bar{t})]$	<1 (21)	<1	<1
$[m(t\bar{t}), y(t\bar{t})]$	<1 (<1)	<1	<1
$[y(t\bar{t}) , p_T(t\bar{t})]$	3 (28)	<1	<1
$[m(t\bar{t}), p_T(t\bar{t})]$	<1 (<1)	<1	<1
$[p_T(t\bar{t}), m(t\bar{t}), y(t\bar{t})]$	<1 (3)	<1	<1
$[m(t\bar{t}), y(t)]$	<1 (4)	<1	<1
$[m(t\bar{t}), \Delta\eta(t, \bar{t})]$	<1 (<1)	<1	<1
$[m(t\bar{t}), \Delta\phi(t, \bar{t})]$	<1 (<1)	<1	<1