

Cross section variables	dof	χ^2		
		POW+PYT	POW+HER	FXFX+PYT
$[y(\mathbf{t}) , p_T(\mathbf{t})]$	15	35	28	61
$[m(\mathbf{t}\bar{\mathbf{t}}), p_T(\mathbf{t})]$	8	86	47	142
$[p_T(\mathbf{t}), p_T(\mathbf{t}\bar{\mathbf{t}})]$	15	35	67	62
$[m(\mathbf{t}\bar{\mathbf{t}}), y(\mathbf{t}\bar{\mathbf{t}})]$	15	77	81	72
$[y(\mathbf{t}\bar{\mathbf{t}}) , p_T(\mathbf{t}\bar{\mathbf{t}})]$	15	27	67	38
$[m(\mathbf{t}\bar{\mathbf{t}}), p_T(\mathbf{t}\bar{\mathbf{t}})]$	15	61	117	54
$[p_T(\mathbf{t}\bar{\mathbf{t}}), m(\mathbf{t}\bar{\mathbf{t}}), y(\mathbf{t}\bar{\mathbf{t}})]$	47	114	174	119
$[m(\mathbf{t}\bar{\mathbf{t}}), y(\mathbf{t})]$	15	57	38	71
$[m(\mathbf{t}\bar{\mathbf{t}}), \Delta\eta(\mathbf{t}, \bar{\mathbf{t}})]$	11	155	119	209
$[m(\mathbf{t}\bar{\mathbf{t}}), \Delta\phi(\mathbf{t}, \bar{\mathbf{t}})]$	11	71	101	39