

Cross section variables	p -values of χ^2 (in %)		
	POW+PYT (w. unc.)	FxFx+PYT	POW+HER
$p_T(\ell)$	<1 (9)	<1	6
$p_T(\ell)$ trailing / $p_T(\ell)$ leading	9 (34)	<1	70
$p_T(\ell) / p_T(\bar{t})$	<1 (<1)	<1	2
$p_T(\mathbf{b})$ leading	85 (91)	<1	64
$p_T(\mathbf{b})$ trailing	46 (64)	<1	41
$(p_T(\mathbf{b}) + p_T(\bar{\mathbf{b}})) / (p_T(\mathbf{t}) + p_T(\bar{\mathbf{t}}))$	<1 (<1)	<1	<1
$m(\ell\bar{\ell})$	<1 (2)	<1	3
$m(\mathbf{b}\bar{\mathbf{b}})$	<1 (2)	2	4
$m(\ell\bar{\ell}\mathbf{b}\bar{\mathbf{b}})$	<1 (48)	6	10
$p_T(\ell\bar{\ell})$	88 (97)	6	34
$ \eta(\ell\bar{\ell}) $	32 (77)	7	63
$[\eta(\ell\bar{\ell}) , m(\ell\bar{\ell})]$	<1 (22)	<1	7
$[\eta(\ell\bar{\ell}) , p_T(\ell\bar{\ell})]$	7 (80)	<1	24
$[p_T(\ell\bar{\ell}), m(\ell\bar{\ell})]$	1 (12)	<1	<1