

Dataset	Cross-section	Pileup	$e$ ID/ISO	$\mu$ ID/ISO	Total
$W \rightarrow l\nu$	3.8	10.2	1.9	0.29	11.1
single top	4.2	0.2	2.9	0.22	5.1
diboson	2.5	0.2	2.9	0.23	3.8
$Z \rightarrow ll$	3.8	1.1	2.5	0.18	4.7
$t\bar{t}$	6.1	0.9	2.9	0.22	6.8
signal	13 – 18	0.2 – 8.9	3.0 – 4.4	0.25 – 0.32	18 – 24