

Selection common to all SRs	$\tilde{H} : m(\tilde{\chi}_2^0, \tilde{\chi}_1^0) = (110, 100)$ GeV		$\tilde{\ell} : m(\tilde{\ell}, \tilde{\chi}_1^0) = (110, 100)$ GeV	
	Weighted	Raw	Weighted	Raw
Initial number of events ( $\mathcal{L} \times \sigma$ )	344000	7200000	19900	74800
Initial number of events ( $\mathcal{L} \times \sigma \times \mathcal{B}$ )	38700	809000	—	—
Generator filters ( $\mathcal{L} \times \sigma \times \mathcal{B} \times \epsilon_{\text{filter}}$ )	2340	40000	5330	13300
$E_{\text{T}}^{\text{miss}} > 200$ GeV	250	5079	476	1252
$E_{\text{T}}^{\text{miss}}$ triggers	249	5074	476	1251
$N_{\text{baseline}}^{\ell} = 2$	108.8	2060	267	705
$N_{\text{signal}}^{\ell} = 2$	61.7	1294	165	479
Lepton truth matching	61.4	1284	164	473
Lepton author 16 veto	61.3	1282	162	469
Same flavour	56.2	1115	162	469
Opposite charge	55.3	1097	162	469
$p_{\text{T}}^{\ell_1} > 5$ GeV	55.0	1088	162	468
$N_{\text{b-jets}} = 0$	44.9	941	134	410
$p_{\text{T}}(j_1) > 100$ GeV	44.0	925	133	408
$\Delta\phi(j_1, \mathbf{p}_{\text{T}}^{\text{miss}}) > 2.0$	43.9	923	133	406
$\min(\Delta\phi(\text{any jet}, \mathbf{p}_{\text{T}}^{\text{miss}})) > 0.4$	41.6	875	129	391
Veto $m_{\tau\tau} \in [0, 160]$ GeV	33.0	693	113	336
$m_{\ell\ell} > 1$ GeV	32.3	678	112	335
Veto $m_{\ell\ell} \in [3, 3.2]$ GeV	31.0	661	112	335
$m_{\ell\ell} < 60$ GeV	30.9	659	89	268
$\Delta R_{\ell\ell} > 0.05$	30.9	659	89	268
SR $\ell\ell$ - $m_{\ell\ell}$ selection				
$E_{\text{T}}^{\text{miss}}/H_{\text{T}}^{\text{lep}} > \max(5, 15 - 2 \cdot m_{\ell\ell}/\text{GeV})$	27.2	588	68	214
$\Delta R_{\ell\ell} < 2.0$	26.0	535	37	110
$m_{\text{T}}^{\ell_1} < 70$ GeV	22.5	475	30	91
$m_{\ell\ell} < 40$ GeV	22.5	475	29	87
$m_{\ell\ell} < 30$ GeV	22.5	475	23.8	72
$m_{\ell\ell} < 20$ GeV	22.4	472	14.3	44
$m_{\ell\ell} < 10$ GeV	21.8	447	4.7	16
$m_{\ell\ell} < 5$ GeV	10.6	214	1.2	4
$m_{\ell\ell} < 3$ GeV	3.9	79	0.5	2
SR $\ell\ell$ - $m_{\text{T}2}^{100}$ selection				
$E_{\text{T}}^{\text{miss}}/H_{\text{T}}^{\text{lep}} > \max(3, 15 - 2 \cdot [m_{\text{T}2}^{100}/\text{GeV} - 100])$	30.6	644	65	197
$m_{\text{T}2}^{100} < 130$ GeV	29.9	635	65	197
$m_{\text{T}2}^{100} < 120$ GeV	29.1	621	65	197
$m_{\text{T}2}^{100} < 110$ GeV	25.2	550	63	191
$m_{\text{T}2}^{100} < 105$ GeV	12.7	308	23.0	69
$m_{\text{T}2}^{100} < 102$ GeV	2.37	80	3.7	11