

Selection common to all SRs	$\tilde{\chi}_2^0 \tilde{\chi}_1^- : m(\tilde{\chi}_2^0, \tilde{\chi}_1^0) = (110, 100)$ GeV Weighted	Raw
Initial number of events ($\mathcal{L} \times \sigma$)	59400	1180000
Initial number of events ($\mathcal{L} \times \sigma \times \mathcal{B}$)	6670	133000
Generator filters ($\mathcal{L} \times \sigma \times \mathcal{B} \times \epsilon_{\text{filter}}$)	502	10000
$E_{\text{T}}^{\text{miss}} > 200$ GeV	49.4	1107
$E_{\text{T}}^{\text{miss}}$ triggers	48.9	1104
$N_{\text{baseline}}^{\ell} = 2$	22.8	516
$N_{\text{signal}}^{\ell} = 2$	13.1	324
Lepton truth matching	12.9	320
Lepton author 16 veto	12.9	320
Same flavour	12.3	303
Opposite charge	12.0	295
$p_{\text{T}}^{\ell_1} > 5$ GeV	12.0	294
$N_{\text{b-jets}} = 0$	9.5	247
$p_{\text{T}}(j_1) > 100$ GeV	9.3	243
$\Delta\phi(j_1, \mathbf{p}_{\text{T}}^{\text{miss}}) > 2.0$	9.3	243
$\min(\Delta\phi(\text{any jet}, \mathbf{p}_{\text{T}}^{\text{miss}})) > 0.4$	8.8	231
Veto $m_{\tau\tau} \in [0, 160]$ GeV	7.2	188
$m_{\ell\ell} > 1$ GeV	7.1	186
Veto $m_{\ell\ell} \in [3, 3.2]$ GeV	7.0	184
$m_{\ell\ell} < 60$ GeV	7.0	184
$\Delta R_{\ell\ell} > 0.05$	7.0	184
SR $\ell\ell$ - $m_{\ell\ell}$ selection		
$E_{\text{T}}^{\text{miss}}/H_{\text{T}}^{\text{lep}} > \max(5, 15 - 2 \cdot m_{\ell\ell}/\text{GeV})$	5.9	157
$\Delta R_{\ell\ell} < 2.0$	5.9	155
$m_{\text{T}}^{\ell_1} < 70$ GeV	5.4	141
$m_{\ell\ell} < 40$ GeV	5.4	141
$m_{\ell\ell} < 30$ GeV	5.4	141
$m_{\ell\ell} < 20$ GeV	5.3	140
$m_{\ell\ell} < 10$ GeV	5.3	139
$m_{\ell\ell} < 5$ GeV	2.51	67
$m_{\ell\ell} < 3$ GeV	0.82	21
SR $\ell\ell$ - $m_{\text{T}2}^{100}$ selection		
$E_{\text{T}}^{\text{miss}}/H_{\text{T}}^{\text{lep}} > \max(3, 15 - 2 \cdot [m_{\text{T}2}^{100}/\text{GeV} - 100])$	7.0	183
$m_{\text{T}2}^{100} < 130$ GeV	6.9	181
$m_{\text{T}2}^{100} < 120$ GeV	6.6	176
$m_{\text{T}2}^{100} < 110$ GeV	5.9	156
$m_{\text{T}2}^{100} < 105$ GeV	3.3	81
$m_{\text{T}2}^{100} < 102$ GeV	0.25	6