

$SRee-m_{\ell\ell}$	[1, 3] GeV	[3.2, 5] GeV	[5, 10] GeV	[10, 20] GeV	[20, 30] GeV	[30, 40] GeV	[40, 60] GeV
Observed events	0	1	1	10	4	6	2
Fitted SM events	$0.01^{+0.11}_{-0.01}$	$0.6^{+0.7}_{-0.6}$	2.4 ± 1.0	8.3 ± 1.6	4.0 ± 1.0	2.4 ± 0.6	1.4 ± 0.5
Fake/nonprompt leptons	$0.00^{+0.08}_{-0.00}$	$0.02^{+0.12}_{-0.02}$	1.4 ± 0.9	4.0 ± 1.5	1.6 ± 0.9	0.7 ± 0.6	$0.02^{+0.11}_{-0.02}$
Diboson	$0.007^{+0.014}_{-0.007}$	$0.28^{+0.29}_{-0.28}$	0.51 ± 0.28	1.9 ± 0.6	1.36 ± 0.31	0.72 ± 0.22	0.80 ± 0.28
$Z(\rightarrow \tau\tau)$ +jets	$0.000^{+0.007}_{-0.000}$	$0.3^{+0.3}_{-0.3}$	$0.3^{+0.5}_{-0.3}$	1.7 ± 0.7	$0.25^{+0.26}_{-0.25}$	0.20 ± 0.18	$0.04^{+0.28}_{-0.04}$
$t\bar{t}$, single top	$0.00^{+0.08}_{-0.00}$	$0.02^{+0.12}_{-0.02}$	$0.11^{+0.14}_{-0.11}$	0.44 ± 0.29	0.63 ± 0.35	0.7 ± 0.4	0.6 ± 0.4
Others	$0.002^{+0.015}_{-0.002}$	$0.012^{+0.013}_{-0.012}$	0.12 ± 0.11	0.25 ± 0.16	0.21 ± 0.12	$0.05^{+0.06}_{-0.05}$	$0.0018^{+0.0033}_{-0.0018}$
$SR\mu\mu-m_{\ell\ell}$	[1, 3] GeV	[3.2, 5] GeV	[5, 10] GeV	[10, 20] GeV	[20, 30] GeV	[30, 40] GeV	[40, 60] GeV
Observed events	1	2	7	12	2	2	2
Fitted SM events	1.1 ± 0.6	1.3 ± 0.6	4.9 ± 1.3	13.1 ± 2.2	4.2 ± 1.0	1.4 ± 0.6	1.6 ± 0.6
Fake/nonprompt leptons	$0.00^{+0.33}_{-0.00}$	$0.4^{+0.5}_{-0.4}$	3.0 ± 1.3	7.3 ± 2.1	$0.4^{+0.8}_{-0.4}$	$0.03^{+0.19}_{-0.03}$	$0.0^{+0.5}_{-0.0}$
Diboson	0.9 ± 0.5	0.7 ± 0.4	1.3 ± 0.6	1.4 ± 0.5	1.9 ± 0.4	0.9 ± 0.5	0.97 ± 0.28
$Z(\rightarrow \tau\tau)$ +jets	$0.18^{+0.25}_{-0.18}$	0.13 ± 0.12	$0.3^{+0.5}_{-0.3}$	2.4 ± 0.8	0.7 ± 0.4	$0.001^{+0.011}_{-0.001}$	$0.05^{+0.06}_{-0.05}$
$t\bar{t}$, single top	$0.01^{+0.10}_{-0.01}$	$0.02^{+0.12}_{-0.02}$	0.19 ± 0.13	1.4 ± 0.6	0.8 ± 0.4	0.37 ± 0.21	0.51 ± 0.33
Others	0.047 ± 0.030	$0.07^{+0.09}_{-0.07}$	0.13 ± 0.12	0.7 ± 0.5	0.35 ± 0.20	0.09 ± 0.07	0.020 ± 0.020
$SRee-m_{T2}^{100}$		[100, 102] GeV	[102, 105] GeV	[105, 110] GeV	[110, 120] GeV	[120, 130] GeV	[130, ∞] GeV
Observed events		3	10	37	42	10	7
Fitted SM events		3.5 ± 1.2	11.0 ± 2.0	33 ± 4	42 ± 4	15.7 ± 2.0	7.5 ± 1.1
Fake/nonprompt leptons		2.9 ± 1.2	6.8 ± 2.0	13 ± 4	14 ± 4	1.9 ± 1.2	$0.01^{+0.10}_{-0.01}$
Diboson		0.33 ± 0.12	2.3 ± 0.6	8.5 ± 1.6	12.7 ± 2.4	7.4 ± 1.4	4.3 ± 0.9
$Z(\rightarrow \tau\tau)$ +jets		$0.13^{+0.23}_{-0.13}$	0.6 ± 0.4	4.1 ± 1.8	2.9 ± 1.0	$0.00^{+0.08}_{-0.00}$	$0.00^{+0.20}_{-0.00}$
$t\bar{t}$, single top		0.08 ± 0.08	1.2 ± 0.5	6.5 ± 1.6	10.7 ± 2.4	6.3 ± 1.4	3.2 ± 0.9
Others		$0.011^{+0.012}_{-0.011}$	0.17 ± 0.11	0.8 ± 0.4	1.3 ± 0.7	0.14 ± 0.09	0.06 ± 0.04
$SR\mu\mu-m_{T2}^{100}$		[100, 102] GeV	[102, 105] GeV	[105, 110] GeV	[110, 120] GeV	[120, 130] GeV	[130, ∞] GeV
Observed events		5	16	60	42	32	13
Fitted SM events		6.8 ± 1.5	15.0 ± 2.1	57 ± 5	53 ± 4	24.9 ± 2.9	11.0 ± 1.4
Fake/nonprompt leptons		5.1 ± 1.5	8.2 ± 2.1	26 ± 5	18 ± 4	1.2 ± 0.8	$0.02^{+0.17}_{-0.02}$
Diboson		0.89 ± 0.22	4.1 ± 0.9	14.3 ± 2.2	18.0 ± 2.7	12.9 ± 2.2	5.9 ± 1.1
$Z(\rightarrow \tau\tau)$ +jets		0.31 ± 0.23	$1.0^{+1.3}_{-1.0}$	6.6 ± 1.7	$1.6^{+1.8}_{-1.6}$	$0.03^{+0.25}_{-0.03}$	$0.02^{+0.24}_{-0.02}$
$t\bar{t}$, single top		0.43 ± 0.22	1.4 ± 0.5	8.3 ± 2.2	12.4 ± 2.9	10.5 ± 2.6	5.0 ± 1.3
Others		$0.020^{+0.024}_{-0.020}$	0.24 ± 0.15	1.8 ± 1.0	2.4 ± 1.3	0.35 ± 0.23	0.11 ± 0.07