

$SRee-m_{\ell\ell}$	[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	$0.14^{+0.28}_{-0.14}$	$0.25^{+0.35}_{-0.25}$	3.1 ± 1.6	7.7 ± 1.9	4.0 ± 1.2	1.8 ± 0.6	1.3 ± 0.6
Fake/nonprompt leptons	$0.09^{+0.15}_{-0.09}$	$0.01^{+0.10}_{-0.01}$	1.9 ± 1.2	3.7 ± 1.7	1.6 ± 1.0	$0.3^{+0.4}_{-0.3}$	$0.01^{+0.10}_{-0.01}$
Diboson	$0.03^{+0.04}_{-0.03}$	$0.21^{+0.25}_{-0.21}$	0.46 ± 0.27	1.8 ± 0.5	1.29 ± 0.30	0.60 ± 0.19	0.73 ± 0.29
$Z(\rightarrow \tau\tau)$ +jets	$0.01^{+0.21}_{-0.01}$	$0.01^{+0.21}_{-0.01}$	$0.5^{+1.0}_{-0.5}$	1.6 ± 0.6	0.29 ± 0.25	0.24 ± 0.18	$0.01^{+0.21}_{-0.01}$
$t\bar{t}$, single top	$0.01^{+0.10}_{-0.01}$	$0.01^{+0.10}_{-0.01}$	$0.11^{+0.14}_{-0.11}$	0.33 ± 0.21	0.57 ± 0.32	0.52 ± 0.28	0.6 ± 0.5
Others	$0.001^{+0.007}_{-0.001}$	0.012 ± 0.011	0.11 ± 0.10	0.27 ± 0.17	0.21 ± 0.12	$0.05^{+0.05}_{-0.05}$	$0.003^{+0.004}_{-0.003}$
$SR\mu\mu-m_{\ell\ell}$	[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	1.6 ± 0.8	1.3 ± 0.7	3.7 ± 1.5	13.0 ± 2.9	5.1 ± 1.2	1.2 ± 0.7	1.6 ± 0.4
Fake/nonprompt leptons	$0.3^{+0.5}_{-0.3}$	$0.4^{+0.5}_{-0.4}$	2.4 ± 1.3	7.4 ± 2.7	1.3 ± 1.0	$0.01^{+0.16}_{-0.01}$	$0.13^{+0.18}_{-0.13}$
Diboson	0.9 ± 0.5	0.58 ± 0.34	1.0 ± 0.5	1.3 ± 0.5	1.8 ± 0.4	0.8 ± 0.6	0.94 ± 0.28
$Z(\rightarrow \tau\tau)$ +jets	$0.4^{+0.4}_{-0.4}$	0.16 ± 0.12	$0.0^{+0.4}_{-0.0}$	2.4 ± 0.8	0.8 ± 0.4	$0.003^{+0.023}_{-0.003}$	$0.06^{+0.06}_{-0.06}$
$t\bar{t}$, single top	$0.01^{+0.10}_{-0.01}$	$0.01^{+0.10}_{-0.01}$	0.19 ± 0.11	1.2 ± 0.5	0.7 ± 0.4	0.37 ± 0.21	0.43 ± 0.27
Others	0.048 ± 0.030	$0.10^{+0.10}_{-0.10}$	0.11 ± 0.10	0.7 ± 0.5	0.38 ± 0.22	0.09 ± 0.07	0.024 ± 0.023
$SRee-m_{T2}^{100}$		[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		3.7 ± 1.9	11.1 ± 3.3	30 ± 6	42 ± 7	17.0 ± 3.0	7.1 ± 1.2
Fake/nonprompt leptons		2.9 ± 1.8	6.8 ± 3.2	13 ± 5	15 ± 6	2.7 ± 1.9	$0.01^{+0.10}_{-0.01}$
Diboson		0.38 ± 0.14	2.1 ± 0.6	7.8 ± 1.7	12.0 ± 2.4	7.5 ± 1.7	4.3 ± 0.9
$Z(\rightarrow \tau\tau)$ +jets		$0.31^{+0.31}_{-0.31}$	0.8 ± 0.5	2.8 ± 1.2	2.5 ± 0.9	$0.01^{+0.21}_{-0.01}$	$0.01^{+0.21}_{-0.01}$
$t\bar{t}$, single top		0.10 ± 0.08	1.2 ± 0.5	6.0 ± 1.7	11.5 ± 2.9	6.5 ± 1.7	2.7 ± 0.8
Others		0.016 ± 0.014	0.17 ± 0.11	0.8 ± 0.5	1.4 ± 0.8	0.16 ± 0.10	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		8.7 ± 2.4	15.6 ± 3.4	61 ± 10	60 ± 9	22 ± 4	11.0 ± 1.8
Fake/nonprompt leptons		7.0 ± 2.4	9.7 ± 3.1	32 ± 9	25 ± 7	1.3 ± 0.9	$0.01^{+0.16}_{-0.01}$
Diboson		0.92 ± 0.25	4.2 ± 1.0	14.2 ± 2.4	18.0 ± 3.3	11.7 ± 2.3	5.7 ± 1.2
$Z(\rightarrow \tau\tau)$ +jets		0.28 ± 0.20	$0.0^{+0.9}_{-0.0}$	6.3 ± 1.7	2.1 ± 1.7	$0.01^{+0.21}_{-0.01}$	$0.01^{+0.21}_{-0.01}$
$t\bar{t}$, single top		0.48 ± 0.26	1.5 ± 0.6	7.3 ± 2.0	12.7 ± 3.3	8.9 ± 2.5	5.2 ± 1.4
Others		$0.019^{+0.021}_{-0.019}$	0.25 ± 0.15	1.9 ± 1.0	2.3 ± 1.2	0.36 ± 0.22	0.12 ± 0.07