m_{N} (GeV)	$p_{\mathrm{T}}^{\ell_1}$ (GeV)	$p_{\mathrm{T}}^{\ell_2}$ (GeV)	$m(\ell^{\pm}\ell^{\pm}\mathrm{W_{jet}})$ (GeV)	$m(\ell\mathrm{W_{jet}})$ (GeV)	$(p_{\mathrm{T}}^{\mathrm{miss}})^2/S_{\mathrm{T}}$ (GeV)	Total bkgd.	$\mathrm{N_{obs}}$	DY $A\epsilon$ (%)	VBF $A\epsilon$ (%)
$\mu\mu$ channel SR1									
85	>25	>10	>90	40–100	<9	26.0 ± 6.3	30	0.50 ± 0.05	—
90	>25	>10	>90	45–105	<9	34.5 ± 7.5	35	1.2 ± 0.1	—
100	>25	>15	>110	55–115	<9	18.6 ± 4.2	20	2.6 ± 0.2	—
125	>25	>25	>140	85–140	<7	11.7 ± 2.7	12	5.1 ± 0.4	—
150	>35	>35	>150	110–170	<7	8.9 ± 1.9	11	6.6 ± 0.5	—
200	>50	>40	>250	160–215	<7	4.6 ± 1.2	4	8.1 ± 0.6	—
250	>85	>45	>310	215–270	<7	3.0 ± 0.9	2	11.0 ± 0.8	—
300	>100	>50	>370	225–340	<7	2.6 ± 1.0	2	13.2 ± 0.9	5.2 ± 0.4
400	>110	>60	>490	295–490	<7	0.9 ± 0.4	3	11.7 ± 0.8	5.1 ± 0.4
500	>110	>60	>610	370–550	<7	$0.4 \pm {}^{0.6}_{0.4}$	3	8.6 ± 0.6	4.1 ± 0.3
600	>110	—	>680	370–630	<7	$0.3 \pm {}^{0.3}_{0.3}$	3	7.4 ± 0.5	4.1 ± 0.3
700	>110	—	>800	370–885	<7	$0.2 \pm {}^{0.4}_{0.2}$	2	6.7 ± 0.4	3.9 ± 0.3
800	>110	—	>800	370–890	<7	$0.2 \pm {}^{0.4}_{0.2}$	2	6.0 ± 0.4	5.4 ± 0.3
900	>110	—	>800	370–1225	<7	$0.3 \pm {}^{0.4}_{0.3}$	2	5.4 ± 0.4	5.0 ± 0.3
1000	>110	—	>800	370–1230	<7	$0.3 \pm {}^{0.4}_{0.3}$	2	4.6 ± 0.3	4.2 ± 0.3
1100	>110	—	>800	370–1245	<7	$0.3 \pm {}^{0.4}_{0.3}$	2	4.1 ± 0.3	3.8 ± 0.3
1200	>110	—	>800	370–1690	<7	$0.3 \pm {}^{0.4}_{0.3}$	2	3.6 ± 0.2	3.4 ± 0.3
1300	>110	—	>800	370–1890	<7	$0.3 \pm {}^{0.4}_{0.3}$	2	3.2 ± 0.2	3.0 ± 0.2
1400	>110	—	>800	370–1940	<7	$0.3 \pm {}^{0.4}_{0.3}$	2	2.7 ± 0.2	2.7 ± 0.2
1500	>110	—	>800	370–2220	<7	$0.3 \pm {}^{0.4}_{0.3}$	2	2.5 ± 0.2	2.3 ± 0.2
$\mu\mu$ channel SR2									
85	>25	>10	—	—	<15	11.4 ± 3.5	13	0.001 ± 0.001	—
90	>25	>10	—	90–170	<15	4.1 ± 1.3	4	0.003 ± 0.003	—
100	>25	>15	—	98–145	<15	1.0 ± 0.3	0	0.006 ± 0.003	—
125	>60	>15	—	110–150	<15	0.8 ± 0.3	0	0.08 ± 0.01	—
150	>70	>15	—	145–175	<15	1.0 ± 0.4	2	0.28 ± 0.04	—
200	>100	>20	—	175–235	<15	1.3 ± 0.8	0	1.4 ± 0.1	—
250	>140	>25	—	226–280	<15	0.3 ± 0.2	0	3.0 ± 0.3	—
300	>140	>40	—	280–340	<15	0.4 ± 0.3	0	5.4 ± 0.5	0.7 ± 0.1
400	>140	>65	—	340–445	<15	0.5 ± 0.3	2	13.3 ± 1.3	2.7 ± 0.3
500	>140	>65	—	445–560	<15	0.8 ± 0.5	0	22.4 ± 2.2	6.8 ± 0.7
600	>140	—	—	560–685	<15	0.7 ± 0.4	0	30.2 ± 2.9	20.4 ± 1.8
700	>140	—	—	635–825	<15	0.8 ± 0.4	2	34.6 ± 3.4	24.7 ± 2.2
800	>140	—	—	755–960	<15	0.4 ± 0.3	0	34.8 ± 3.5	24.9 ± 2.3
900	>140	—	—	840–1055	<15	$0.2 \pm {}^{0.2}_{0.2}$	1	35.8 ± 3.6	26.9 ± 2.5
1000	>140	—	—	900–1205	<15	$0.1 \pm {}^{0.2}_{0.1}$	1	38.4 ± 3.9	28.9 ± 2.7
1100	>140	—	—	990–1250	<15	$0.1 \pm {}^{0.2}_{0.1}$	1	36.7 ± 3.7	29.2 ± 2.7
1200	>140	—	—	1035–1430	<15	$0.2 \pm {}^{0.3}_{0.2}$	1	38.5 ± 4.0	30.1 ± 2.8
1300	>140	—	—	1100–1595	<15	0.3 ± 0.3	1	38.5 ± 4.0	30.7 ± 3.0
1400	>140	—	—	1285–1700	<15	$0.1 \pm {}^{0.2}_{0.1}$	1	35.9 ± 3.8	29.4 ± 2.8
1500	>140	—	—	1330–1800	<15	$0.1 \pm {}^{0.2}_{0.1}$	1	36.4 ± 3.9	30.0 ± 2.9