m_{N} (GeV)	$p_{\mathrm{T}}^{\ell_1}$ (GeV)	$p_{\mathrm{T}}^{\ell_2}$ (GeV)	$m(\ell^{\pm}\ell^{\pm}\mathrm{W}_{\mathrm{jet}})$ (GeV)	$m(\ell\mathrm{W}_{\mathrm{jet}})$ (GeV)	$(p_{\mathrm{T}}^{\mathrm{miss}})^2/S_{\mathrm{T}}$ (GeV)	Total bkgd.	N_{obs}	DY $A\epsilon$ (%)	VBF $A\epsilon$ (%)
eμ channel SR1									
85	>30	>10	>120	55–95	<7	26.1 ± 6.2	25	0.21 ± 0.03	—
90	>30	>10	>120	60–100	<7	37.4 ± 8.4	32	0.59 ± 0.07	—
100	>25	>20	>110	60–115	<7	23.6 ± 4.8	21	1.3 ± 0.1	—
125	>30	>30	>140	90–140	<7	25.5 ± 5.9	16	3.1 ± 0.2	—
150	>45	>35	>150	100–170	<7	34.1 ± 6.0	26	5.1 ± 0.3	—
200	>65	>35	>270	170–230	<7	11.1 ± 2.8	14	6.1 ± 0.4	—
250	>75	>60	>300	200–280	<7	11.1 ± 2.3	9	8.9 ± 0.5	—
300	>95	>60	>340	255–325	<7	5.8 ± 1.7	8	9.0 ± 0.6	3.4 ± 0.3
400	>120	>60	>530	325–450	<7	2.2 ± 1.0	7	7.4 ± 0.4	3.0 ± 0.3
500	>150	>60	>580	315–530	<7	1.8 ± 1.1	6	6.6 ± 0.5	3.0 ± 0.2
600	>175	—	>670	315–740	<7	1.2 ± 0.9	4	5.9 ± 0.4	3.5 ± 0.3
700	>180	—	>720	350–1030	<7	1.6 ± 1.1	3	5.2 ± 0.3	3.8 ± 0.2
800	>180	—	>720	400–1030	<7	1.6 ± 1.1	3	4.5 ± 0.3	3.7 ± 0.2
900	>185	—	>720	450–1040	<7	1.0 ± 0.7	2	3.8 ± 0.2	3.3 ± 0.2
1000	>185	—	>720	500–1415	<7	1.0 ± 0.7	2	3.4 ± 0.2	3.0 ± 0.2
1100	>185	—	>720	550–1640	<7	1.0 ± 0.7	1	2.8 ± 0.2	2.6 ± 0.2
1200	>185	—	>720	600–1780	<7	1.0 ± 0.7	1	2.4 ± 0.2	2.3 ± 0.2
1300	>185	—	>720	650–1880	<7	0.8 ± 0.7	1	2.1 ± 0.1	1.9 ± 0.2
1400	>185	—	>720	650–1885	<7	0.8 ± 0.7	1	1.8 ± 0.1	1.7 ± 0.2
1500	>185	—	>720	650–1885	<7	0.8 ± 0.7	1	1.5 ± 0.1	1.5 ± 0.1
1700	>185	—	>720	650–2085	<7	0.8 ± 0.7	1	1.2 ± 0.1	1.3 ± 0.1
eμ channel SR2									
85	>25	>10	—	—	<15	24.2 ± 6.4	31	0.001 ± 0.002	—
90	>25	>10	—	90–240	<15	13.4 ± 3.7	22	0.003 ± 0.002	—
100	>30	>15	—	100–335	<15	14.1 ± 4.1	21	0.009 ± 0.003	—
125	>35	>25	—	115–150	<15	0.6 ± 0.4	2	0.03 ± 0.01	—
150	>45	>30	—	132–180	<15	1.4 ± 0.5	2	0.14 ± 0.02	—
200	>70	>30	—	180–225	<15	1.5 ± 0.5	3	0.86 ± 0.09	—
250	>75	>55	—	225–280	<15	1.2 ± 0.4	2	1.7 ± 0.2	—
300	>95	>55	—	280–340	<15	1.2 ± 0.7	1	4.4 ± 0.4	0.8 ± 0.1
400	>125	>55	—	340–475	<15	2.0 ± 1.2	1	11.8 ± 1.1	2.7 ± 0.3
500	>145	>60	—	460–555	<15	0.7 ± 0.3	0	16.7 ± 1.6	5.2 ± 0.5
600	>160	—	—	555–645	<15	1.4 ± 0.9	1	20.2 ± 1.9	13.2 ± 1.2
700	>170	—	—	610–780	<15	2.0 ± 0.9	2	25.0 ± 2.4	17.6 ± 1.6
800	>170	—	—	730–895	<15	0.8 ± 0.4	2	26.1 ± 2.5	18.3 ± 1.6
900	>180	—	—	845–1015	<15	0.5 ± 0.2	0	25.6 ± 2.5	18.5 ± 1.7
1000	>180	—	—	930–1075	<15	0.2 ± 0.2	0	23.5 ± 2.3	17.6 ± 1.6
1100	>180	—	—	1020–1340	<15	0.3 ± 0.3	0	26.9 ± 2.7	19.6 ± 1.7
1200	>180	—	—	1080–1340	<15	$0.1 \, ^{+\,0.2}_{-\,0.1}$	0	25.9 ± 2.6	19.9 ± 1.8
1300	>180	—	—	1155–1595	<15	$0.2 \, ^{+\,0.2}_{-\,0.2}$	0	27.1 ± 2.7	20.7 ± 1.9
1400	>180	—	—	1155–1615	<15	$0.2 \, ^{+\,0.3}_{-\,0.2}$	0	26.7 ± 2.7	20.8 ± 2.0
1500	>180	—	—	1345–1615	<15	$0.0 \, ^{+\,0.1}_{-\,0.0}$	0	21.6 ± 2.2	18.0 ± 1.7
1700	>180	—	—	1400–1800	<15	0.7 ± 0.6	0	19.8 ± 2.1	17.0 ± 1.7