

	Background	$m(Z') = 5 \text{ GeV}$ $g = 0.008$	$m(Z') = 15 \text{ GeV}$ $g = 0.01$	$m(Z') = 70 \text{ GeV}$ $g = 0.5$	Observed Data
$80 \text{ GeV} < m_{4\mu} < 100 \text{ GeV}$	$423.0 \pm 20.6 \pm 33.4$	37.1 ± 3.7	31.4 ± 3.1	53.8 ± 5.4	441
$4.9 \text{ GeV} < m(Z'_2) < 5.1 \text{ GeV}$	$9.2 \pm 3.0 \pm 0.7$	23.3 ± 2.3	—	—	13
$14.7 \text{ GeV} < m(Z'_2) < 15.3 \text{ GeV}$	$7.7 \pm 2.8 \pm 0.6$	—	18.9 ± 1.9	—	6
$68.6 \text{ GeV} < m(Z'_1) < 71.4 \text{ GeV}$	$34.9 \pm 5.9 \pm 2.8$	—	—	36.0 ± 3.6	35
Predicted $\sigma \times \mathcal{B}$ [fb]	—	9.6	3.0	12	—