

| Region | W+jets           | $t\bar{t}$       | Nonprompt       | Rare             | Total SM        | Data |
|--------|------------------|------------------|-----------------|------------------|-----------------|------|
| CR1aX  | $2133 \pm 20$    | $226.6 \pm 3.5$  | $44.5 \pm 6.4$  | $293.2 \pm 5.9$  | $2698 \pm 22$   | 2945 |
| CR1aY  | $878.3 \pm 8.6$  | $65.8 \pm 1.9$   | $13.3 \pm 3.6$  | $139.4 \pm 4.1$  | $1097 \pm 10$   | 1197 |
| CR1bX  | $1107 \pm 15$    | $134.5 \pm 2.7$  | $7.8 \pm 2.7$   | $112.1 \pm 4.1$  | $1361 \pm 16$   | 1462 |
| CR1bY  | $438.2 \pm 6.4$  | $35.1 \pm 1.4$   | $1.6 \pm 1.6$   | $51.9 \pm 2.9$   | $526.8 \pm 7.3$ | 502  |
| CR1cX  | $642 \pm 11$     | $103.8 \pm 2.3$  | $12.7 \pm 3.0$  | $174.3 \pm 5.5$  | $932 \pm 13$    | 1051 |
| CR1cY  | $278.3 \pm 8.3$  | $25.5 \pm 1.2$   | $6.2 \pm 2.2$   | $102.2 \pm 4.3$  | $412.2 \pm 9.6$ | 432  |
| CR2aX  | $171.7 \pm 2.5$  | $195.6 \pm 3.3$  | $1.9 \pm 1.9$   | $64.2 \pm 1.9$   | $433.4 \pm 4.9$ | 451  |
| CR2aY  | $74.54 \pm 0.98$ | $58.4 \pm 1.7$   | $0.78 \pm 0.78$ | $25.6 \pm 1.1$   | $159.3 \pm 2.4$ | 145  |
| CR2bX  | $104.9 \pm 2.0$  | $110.8 \pm 2.5$  | $1.2 \pm 1.2$   | $39.2 \pm 1.6$   | $256.1 \pm 3.8$ | 226  |
| CR2bY  | $42.59 \pm 0.78$ | $30.8 \pm 1.3$   | $0.3 \pm 0.3$   | $14.96 \pm 0.93$ | $88.6 \pm 1.8$  | 79   |
| CR2cX  | $17.26 \pm 0.79$ | $53.8 \pm 1.7$   | $1.7 \pm 1.2$   | $15.7 \pm 1.0$   | $88.4 \pm 2.4$  | 106  |
| CR2cY  | $7.50 \pm 0.84$  | $12.77 \pm 0.81$ | $0.6 \pm 0.6$   | $6.61 \pm 0.66$  | $27.5 \pm 1.5$  | 29   |