

| $p_T^{\text{miss}}$ (GeV) | Signal          | Z( $\nu\nu$ )+jets | W( $\nu\nu$ )+jets | Top quark      | Diboson         | Other           | Total bkg.        | Data   |
|---------------------------|-----------------|--------------------|--------------------|----------------|-----------------|-----------------|-------------------|--------|
| 250-280                   | $162 \pm 3$     | $79700 \pm 2300$   | $49200 \pm 1400$   | $2360 \pm 200$ | $1380 \pm 220$  | $1890 \pm 240$  | $134500 \pm 3700$ | 136865 |
| 280-310                   | $130 \pm 3$     | $45800 \pm 1300$   | $24950 \pm 730$    | $1184 \pm 99$  | $770 \pm 120$   | $840 \pm 110$   | $73400 \pm 2000$  | 74340  |
| 310-340                   | $97.8 \pm 2.4$  | $27480 \pm 560$    | $13380 \pm 260$    | $551 \pm 53$   | $469 \pm 77$    | $445 \pm 63$    | $42320 \pm 810$   | 42540  |
| 340-370                   | $84.8 \pm 2.1$  | $17020 \pm 350$    | $7610 \pm 150$     | $292 \pm 28$   | $301 \pm 51$    | $260 \pm 39$    | $25490 \pm 490$   | 25316  |
| 370-400                   | $65.2 \pm 1.9$  | $10560 \pm 220$    | $4361 \pm 91$      | $157 \pm 17$   | $198 \pm 33$    | $152 \pm 26$    | $15430 \pm 310$   | 15653  |
| 400-430                   | $53.5 \pm 1.8$  | $7110 \pm 130$     | $2730 \pm 47$      | $104 \pm 12$   | $133 \pm 23$    | $84 \pm 15$     | $10160 \pm 170$   | 10092  |
| 430-470                   | $53.9 \pm 1.8$  | $6110 \pm 100$     | $2123 \pm 37$      | $75.2 \pm 7.9$ | $110 \pm 19$    | $67 \pm 11$     | $8480 \pm 140$    | 8298   |
| 470-510                   | $41.4 \pm 1.5$  | $3601 \pm 75$      | $1128 \pm 22$      | $38.6 \pm 5.3$ | $75 \pm 12$     | $21.0 \pm 3.9$  | $4865 \pm 95$     | 4906   |
| 510-550                   | $34.3 \pm 1.4$  | $2229 \pm 39$      | $658 \pm 12$       | $18.5 \pm 3.3$ | $51.7 \pm 9.5$  | $12 \pm 2.4$    | $2970 \pm 49$     | 2987   |
| 550-590                   | $28.1 \pm 1.2$  | $1458 \pm 27$      | $398 \pm 8$        | $12.3 \pm 2.6$ | $35.9 \pm 7.1$  | $9.7 \pm 1.9$   | $1915 \pm 33$     | 2032   |
| 590-640                   | $27.5 \pm 1.2$  | $1182 \pm 26$      | $284 \pm 7$        | $5.5 \pm 1.4$  | $30.9 \pm 5.7$  | $2.6 \pm 0.7$   | $1506 \pm 32$     | 1514   |
| 640-690                   | $20.4 \pm 1.1$  | $667 \pm 15$       | $151 \pm 4$        | $4.6 \pm 1.7$  | $16.7 \pm 3.9$  | $4.0 \pm 0.8$   | $844 \pm 18$      | 926    |
| 690-740                   | $16.6 \pm 0.9$  | $415 \pm 12$       | $90.4 \pm 3.0$     | $3.8 \pm 1.5$  | $15.6 \pm 3.6$  | $1.7 \pm 0.4$   | $526 \pm 14$      | 557    |
| 740-790                   | $12.5 \pm 0.8$  | $259 \pm 9.6$      | $55.2 \pm 2.3$     | $0.8 \pm 0.5$  | $9.14 \pm 2.3$  | $0.2 \pm 0.1$   | $325 \pm 12$      | 316    |
| 790-840                   | $8.94 \pm 0.72$ | $178 \pm 7.1$      | $35.3 \pm 1.7$     | $1.7 \pm 0.8$  | $5.35 \pm 1.7$  | $1.4 \pm 0.3$   | $223 \pm 9$       | 233    |
| 840-900                   | $10.1 \pm 0.7$  | $139 \pm 6.2$      | $25.2 \pm 1.3$     | $1.5 \pm 1.2$  | $2.52 \pm 1.05$ | $0.04 \pm 0.03$ | $169 \pm 8$       | 172    |
| 900-960                   | $6.62 \pm 0.61$ | $88.1 \pm 4.9$     | $14.7 \pm 0.9$     | $0.3 \pm 0.3$  | $3.88 \pm 1.42$ | $0.03 \pm 0.02$ | $107 \pm 6$       | 101    |
| 960-1020                  | $5.19 \pm 0.54$ | $73.8 \pm 4.7$     | $12.0 \pm 0.8$     | $0.4 \pm 0.3$  | $1.83 \pm 0.92$ | $0.02 \pm 0.01$ | $88.1 \pm 5.3$    | 65     |
| 1020-1090                 | $4.35 \pm 0.52$ | $42.6 \pm 3.1$     | $6.7 \pm 0.6$      | $0.0 \pm 0.0$  | $3.42 \pm 1.33$ | $0.01 \pm 0.01$ | $52.8 \pm 3.9$    | 46     |
| 1090-1160                 | $2.84 \pm 0.43$ | $21.5 \pm 2.1$     | $3.5 \pm 0.4$      | $0.0 \pm 0.0$  | $0.00 \pm 0.00$ | $0.01 \pm 0.00$ | $25.0 \pm 2.5$    | 26     |
| 1160-1250                 | $3.44 \pm 0.38$ | $21.0 \pm 2.2$     | $3.3 \pm 0.4$      | $0.0 \pm 0.0$  | $1.07 \pm 0.69$ | $0.01 \pm 0.00$ | $25.5 \pm 2.6$    | 31     |
| >1250                     | $6.39 \pm 0.58$ | $22.5 \pm 2.4$     | $2.9 \pm 0.3$      | $0.0 \pm 0.0$  | $1.49 \pm 0.91$ | $0.01 \pm 0.00$ | $26.9 \pm 2.8$    | 29     |