

| $\mathcal{L} = 137 \text{ fb}^{-1}$            | T1tttt(2100,100) | T1tttt(1900,1250) | R1-R3 fit       | R1-R4 fit         | Obs. |
|--|------------------|-------------------|-----------------|-------------------|------|
| $200 < p_T^{\text{miss}} \leq 350 \text{ GeV}$ |                  |                   |                 |                   |      |
| R1   | 0.0              | 1.1               | $7706 \pm 87.4$ | $7705.3 \pm 86.8$ | 7706 |
| R2: $N_b = 1, N_{jets} = 7$                    | 0.0              | 0.1               | $935 \pm 33.8$  | $937.3 \pm 29.7$  | 935  |
| R2: $N_b = 1, N_{jets} \geq 8$                 | 0.1              | 0.3               | $961 \pm 33.7$  | $958.7 \pm 29.7$  | 961  |
| R2: $N_b = 2, N_{jets} = 7$                    | 0.0              | 0.2               | $600 \pm 31.5$  | $606.4 \pm 23.7$  | 600  |
| R2: $N_b = 2, N_{jets} \geq 8$                 | 0.1              | 0.6               | $832 \pm 40.2$  | $821.0 \pm 27.8$  | 832  |
| R2: $N_b \geq 3, N_{jets} = 7$                 | 0.0              | 0.2               | $168 \pm 14.8$  | $171.2 \pm 12.6$  | 168  |
| R2: $N_b \geq 3, N_{jets} \geq 8$              | 0.1              | 1.1               | $306 \pm 21.7$  | $307.9 \pm 17.0$  | 306  |
| R3   | 0.0              | 2.2               | $472 \pm 21.4$  | $472.7 \pm 19.8$  | 472  |
| R4: $N_b = 1, N_{jets} = 7$                    | 0.1              | 0.2               | $75.6 \pm 11.3$ | $81.7 \pm 5.6$    | 84   |
| R4: $N_b = 1, N_{jets} \geq 8$                 | 0.2              | 0.5               | $71.8 \pm 10.3$ | $76.3 \pm 4.9$    | 74   |
| R4: $N_b = 2, N_{jets} = 7$                    | 0.2              | 0.4               | $48.9 \pm 10.3$ | $57.6 \pm 4.3$    | 64   |
| R4: $N_b = 2, N_{jets} \geq 8$                 | 0.3              | 1.5               | $62.7 \pm 13.1$ | $70.0 \pm 5.1$    | 59   |
| R4: $N_b \geq 3, N_{jets} = 7$                 | 0.1              | 0.6               | $15.2 \pm 3.9$  | $18.8 \pm 2.1$    | 22   |
| R4: $N_b \geq 3, N_{jets} \geq 8$              | 0.4              | 2.6               | $24.9 \pm 6.1$  | $30.1 \pm 2.9$    | 32   |
| $350 < p_T^{\text{miss}} \leq 500 \text{ GeV}$ |                  |                   |                 |                   |      |
| R1   | 0.0              | 0.9               | $967 \pm 30.9$  | $968.0 \pm 30.6$  | 967  |
| R2: $N_b = 1, N_{jets} = 7$                    | 0.0              | 0.0               | $78 \pm 9.6$    | $72.2 \pm 8.2$    | 78   |
| R2: $N_b = 1, N_{jets} \geq 8$                 | 0.1              | 0.1               | $95 \pm 10.9$   | $92.4 \pm 9.5$    | 95   |
| R2: $N_b = 2, N_{jets} = 7$                    | 0.1              | 0.0               | $54 \pm 8.5$    | $55.8 \pm 7.3$    | 54   |
| R2: $N_b = 2, N_{jets} \geq 8$                 | 0.1              | 0.2               | $65 \pm 9.7$    | $66.1 \pm 8.1$    | 65   |
| R2: $N_b \geq 3, N_{jets} = 7$                 | 0.0              | 0.1               | $8 \pm 3.0$     | $9.1 \pm 2.9$     | 8    |
| R2: $N_b \geq 3, N_{jets} \geq 8$              | 0.1              | 0.4               | $16 \pm 4.5$    | $18.7 \pm 4.2$    | 16   |
| R3   | 0.1              | 2.9               | $68 \pm 8.2$    | $67.0 \pm 6.5$    | 68   |
| R4: $N_b = 1, N_{jets} = 7$                    | 0.2              | 0.1               | $8.7 \pm 2.6$   | $6.8 \pm 1.4$     | 1    |
| R4: $N_b = 1, N_{jets} \geq 8$                 | 0.2              | 0.3               | $8.4 \pm 2.4$   | $7.6 \pm 1.4$     | 5    |
| R4: $N_b = 2, N_{jets} = 7$                    | 0.2              | 0.1               | $4.7 \pm 1.6$   | $5.2 \pm 1.0$     | 7    |
| R4: $N_b = 2, N_{jets} \geq 8$                 | 0.4              | 0.7               | $4.6 \pm 1.5$   | $4.9 \pm 0.9$     | 6    |
| R4: $N_b \geq 3, N_{jets} = 7$                 | 0.2              | 0.1               | $0.7 \pm 0.4$   | $0.9 \pm 0.3$     | 2    |
| R4: $N_b \geq 3, N_{jets} \geq 8$              | 0.5              | 1.3               | $1.8 \pm 0.8$   | $2.3 \pm 0.7$     | 5    |
| $p_T^{\text{miss}} > 500 \text{ GeV}$          |                  |                   |                 |                   |      |
| R1   | 0.1              | 0.6               | $434 \pm 20.8$  | $434.1 \pm 20.6$  | 434  |
| R2: $N_b = 1, 6 \leq N_{jets} \leq 7$          | 0.1              | 0.0               | $49 \pm 8.5$    | $46.9 \pm 7.0$    | 49   |
| R2: $N_b = 1, N_{jets} \geq 8$                 | 0.2              | 0.1               | $13 \pm 4.0$    | $13.2 \pm 3.7$    | 13   |
| R2: $N_b = 2, 6 \leq N_{jets} \leq 7$          | 0.2              | 0.0               | $18 \pm 5.0$    | $18.5 \pm 4.3$    | 18   |
| R2: $N_b = 2, N_{jets} \geq 8$                 | 0.3              | 0.2               | $7 \pm 2.9$     | $7.6 \pm 2.8$     | 7    |
| R2: $N_b \geq 3, 6 \leq N_{jets} \leq 7$       | 0.2              | 0.0               | $4 \pm 2.1$     | $4.5 \pm 2.1$     | 4    |
| R2: $N_b \geq 3, N_{jets} \geq 8$              | 0.4              | 0.3               | $5 \pm 2.4$     | $4.3 \pm 2.0$     | 5    |
| R3   | 0.6              | 3.2               | $28 \pm 5.3$    | $27.9 \pm 4.2$    | 28   |
| R4: $N_b = 1, 6 \leq N_{jets} \leq 7$          | 1.0              | 0.1               | $3.7 \pm 1.5$   | $3.1 \pm 0.9$     | 1    |
| R4: $N_b = 1, N_{jets} \geq 8$                 | 1.1              | 0.3               | $0.8 \pm 0.4$   | $0.8 \pm 0.3$     | 1    |
| R4: $N_b = 2, 6 \leq N_{jets} \leq 7$          | 1.4              | 0.1               | $1.5 \pm 0.7$   | $1.5 \pm 0.5$     | 2    |
| R4: $N_b = 2, N_{jets} \geq 8$                 | 2.0              | 0.6               | $0.3 \pm 0.2$   | $0.4 \pm 0.2$     | 1    |
| R4: $N_b \geq 3, 6 \leq N_{jets} \leq 7$       | 1.1              | 0.1               | $0.4 \pm 0.3$   | $0.5 \pm 0.3$     | 1    |
| R4: $N_b \geq 3, N_{jets} \geq 8$              | 2.4              | 1.0               | $0.9 \pm 0.6$   | $0.7 \pm 0.4$     | 0    |