

| Signal regions |     |                    | Background      |                 |                          |                 |      | Signal [ $m(\tilde{\chi}_1^\pm), \Delta m^\pm$ ] (GeV) |                 |                 |
|----------------|-----|--------------------|-----------------|-----------------|--------------------------|-----------------|------|--------------------------------------------------------|-----------------|-----------------|
| $\Delta m^*$   | Bin | $\tilde{P}_{\max}$ | PV              | Spurious        | $W \rightarrow \tau \nu$ | Tot             | Data | [115, 0.268]                                           | [115, 0.568]    | [115, 0.968]    |
| 0.3            | 1   | 9.5-10             | $1.03 \pm 0.21$ | $29.9 \pm 1.2$  | $0.14 \pm 0.06$          | $31.0 \pm 1.2$  | 31   | $3.63 \pm 0.62$                                        | $3.34 \pm 0.75$ | $0.44 \pm 0.30$ |
|                | 2   | 10-11              | $0.65 \pm 0.19$ | $19.3 \pm 0.9$  | $0.14 \pm 0.06$          | $20.1 \pm 0.9$  | 10   | $2.62 \pm 0.54$                                        | $5.87 \pm 1.09$ | $1.04 \pm 0.51$ |
|                | 3   | 11-11              | $0.03 \pm 0.03$ | $1.80 \pm 0.22$ | $0.03 \pm 0.02$          | $1.86 \pm 0.22$ | 3    | $0.24 \pm 0.15$                                        | $0.57 \pm 0.26$ | $0.26 \pm 0.24$ |
|                | 4   | 11.5- $\infty$     | $0.02 \pm 0.03$ | $0.84 \pm 0.16$ | -                        | $0.87 \pm 0.16$ | 1    | $2.40 \pm 0.03$                                        | $3.66 \pm 0.05$ | $1.92 \pm 0.03$ |
| 0.6            | 5   | 8.75-9             | $3.72 \pm 0.56$ | $36.1 \pm 1.8$  | $0.88 \pm 0.34$          | $40.7 \pm 1.9$  | 41   | $2.53 \pm 0.56$                                        | $19.9 \pm 2.1$  | $1.88 \pm 0.64$ |
|                | 6   | 9-9.5              | $4.03 \pm 0.64$ | $34.4 \pm 1.7$  | $0.57 \pm 0.13$          | $39.0 \pm 1.8$  | 34   | $1.89 \pm 0.35$                                        | $19.1 \pm 1.8$  | $2.15 \pm 0.55$ |
|                | 7   | 9.5-10.5           | $1.33 \pm 0.22$ | $15.4 \pm 0.9$  | $0.28 \pm 0.08$          | $17.0 \pm 0.9$  | 15   | $1.86 \pm 0.43$                                        | $15.9 \pm 1.8$  | $1.33 \pm 0.43$ |
|                | 8   | 10.5- $\infty$     | $0.27 \pm 0.12$ | $1.48 \pm 0.24$ | $0.07 \pm 0.04$          | $1.82 \pm 0.27$ | 3    | $0.40 \pm 0.18$                                        | $2.93 \pm 0.82$ | $0.77 \pm 0.41$ |
| 1.0            | 9   | 7.5-7.25           | $56.2 \pm 2.1$  | $36.0 \pm 2.0$  | $14.9 \pm 1.9$           | $107 \pm 3$     | 109  | $2.60 \pm 0.44$                                        | $15.9 \pm 1.5$  | $16.6 \pm 1.5$  |
|                | 10  | 7.5-8              | $48.9 \pm 2.0$  | $26.8 \pm 1.5$  | $10.9 \pm 1.2$           | $86.6 \pm 2.7$  | 74   | $2.21 \pm 0.35$                                        | $16.9 \pm 1.6$  | $17.0 \pm 1.4$  |
|                | 11  | 8-8.75             | $17.1 \pm 0.8$  | $6.14 \pm 0.59$ | $3.87 \pm 0.46$          | $27.1 \pm 1.1$  | 30   | $1.72 \pm 0.39$                                        | $9.26 \pm 1.14$ | $7.20 \pm 0.93$ |
|                | 12  | 8.75- $\infty$     | $3.12 \pm 0.30$ | $0.67 \pm 0.13$ | $1.13 \pm 0.11$          | $4.92 \pm 0.34$ | 8    | $0.58 \pm 0.20$                                        | $2.20 \pm 0.59$ | $3.34 \pm 0.73$ |