

Table 1: Number of events with at least one jet tagged by both the SLT and the SecVtx algorithm. The total expectation is based on the contributions from all SM processes.

| Jet multiplicity: | $W+1$ jet | $W+2$ jets | $W+\geq 3$ jets ($H_T > 0$ GeV) | $W+\geq 3$ jets ($H_T > 200$ GeV) |
|-----------------------------------|-----------------|-----------------|-------------------------------------|---------------------------------------|
| | | | | |
| $Wb\bar{b}$ | 2.63 ± 0.81 | 1.56 ± 0.46 | 0.46 ± 0.17 | 0.27 ± 0.10 |
| $Wc\bar{c}$ | 0.60 ± 0.15 | 0.27 ± 0.08 | 0.08 ± 0.03 | 0.05 ± 0.02 |
| Wc | 1.51 ± 0.40 | 0.26 ± 0.07 | 0.06 ± 0.02 | 0.03 ± 0.01 |
| Diboson, $Z \rightarrow \tau\tau$ | 0.09 ± 0.06 | 0.12 ± 0.02 | 0.03 ± 0.01 | 0.02 ± 0.01 |
| Z+heavy flavor | 0.07 ± 0.01 | 0.03 ± 0.01 | 0.01 ± 0.01 | 0.00 ± 0.00 |
| Mistags | 0.70 ± 0.13 | 0.20 ± 0.04 | 0.08 ± 0.01 | 0.04 ± 0.01 |
| QCD | 2.70 ± 0.62 | 1.00 ± 0.26 | 0.55 ± 0.16 | 0.33 ± 0.10 |
| Single top | 0.19 ± 0.02 | 0.33 ± 0.03 | 0.11 ± 0.02 | 0.08 ± 0.02 |
| $t\bar{t}$ | 0.11 ± 0.01 | 0.69 ± 0.08 | 3.56 ± 0.06 | 3.60 ± 0.49 |
| SM expectation | 8.6 ± 1.2 | 4.5 ± 0.9 | 4.9 ± 0.5 | 4.4 ± 0.4 |
| Data observation | 7 | 5 | 1 | 1 |