

| Sample | $0\text{ t}, 0\text{ W}, 1\text{ b}$ | $0\text{ t}, 0\text{ W}, \geq 2\text{ b}$ | $0\text{ t}, \geq 1\text{ W}, 1\text{ b}$ | $0\text{ t}, \geq 1\text{ W}, \geq 2\text{ b}$ |
|------------------------|--------------------------------------|---|---|--|
| LH $X_{5/3}$ (0.9 TeV) | 5.6 ± 1.3 | 4.9 ± 1.2 | 43.6 ± 2.3 | 36.5 ± 2.3 |
| RH $X_{5/3}$ (1.2 TeV) | 1.13 ± 0.30 | 0.85 ± 0.24 | 10.44 ± 0.66 | 7.67 ± 0.56 |
| TOP | 545 ± 49 | 334 ± 32 | 462 ± 44 | 306 ± 30 |
| EWK | 366 ± 27 | 54.0 ± 4.7 | 108.5 ± 9.3 | 19.7 ± 2.7 |
| QCD | 24.6 ± 7.6 | 7.9 ± 3.7 | 7.6 ± 4.4 | $0.65 \pm_{0.65}^{0.71}$ |
| Total bkg. | 935 ± 62 | 396 ± 33 | 578 ± 47 | 327 ± 30 |
| Data | 984 | 416 | 577 | 321 |

| Sample | $\geq 1\text{ t}, 0\text{ W}, 1\text{ b}$ | $\geq 1\text{ t}, 0\text{ W}, \geq 2\text{ b}$ | $\geq 1\text{ t}, \geq 1\text{ W}, 1\text{ b}$ | $\geq 1\text{ t}, \geq 1\text{ W}, \geq 2\text{ b}$ |
|------------------------|---|--|--|---|
| LH $X_{5/3}$ (0.9 TeV) | 17.6 ± 1.6 | 15.5 ± 1.5 | 39.7 ± 2.3 | 34.5 ± 2.2 |
| RH $X_{5/3}$ (1.2 TeV) | 4.16 ± 0.52 | 3.40 ± 0.49 | 13.82 ± 0.84 | 11.83 ± 0.82 |
| TOP | 367 ± 41 | 267 ± 31 | 139 ± 16 | 108 ± 13 |
| EWK | 108.7 ± 9.0 | 19.3 ± 1.8 | 22.6 ± 3.6 | 2.69 ± 0.31 |
| QCD | 6.6 ± 2.4 | 1.41 ± 0.65 | 1.36 ± 0.66 | 0.47 ± 0.32 |
| Total bkg. | 482 ± 44 | 287 ± 31 | 163 ± 17 | 111 ± 13 |
| Data | 465 | 285 | 135 | 123 |