Summary of backgrounds for the 3.5 jets, the ≥ 4 jets and total sample (≥ 3.5 jets). The number of events with a mass fit refer to a value of the JES constraint of 0.07.

Background	W+3.5jets	W+$\geq$4jets	Total
mistags	0.90±0.15	0.85±0.13	1.75±0.28
W $\boldsymbol{b\bar{b}}$, W $\boldsymbol{c\bar{c}}$	0.83±0.29	0.60±0.22	1.43±0.51
Wc,WW/WZ etc.	0.41±0.13	0.17±0.07	0.58±0.20
Single top	0.21±0.04	0.09±0.02	0.30±0.06
Sum of above 3	1.45±0.34	0.86±0.24	2.31±0.58
non-W (QCD)	1.24±0.22	1.32±0.25	2.56±0.47
Total Backg	3.59±0.43	3.03±0.37	6.62±0.80
Events Observed	11	29	40
Have a mass fit	10	23	33