

Process	$2\ell ss$	3ℓ	4ℓ
SM HH \rightarrow VVVV ($\times 30$)	72.9 ± 1.6	33.0 ± 0.7	2.23 ± 0.11
SM HH \rightarrow VV $\tau\tau$ ($\times 30$)	30.8 ± 0.7	11.9 ± 0.4	0.95 ± 0.07
SM HH \rightarrow $\tau\tau\tau\tau$ ($\times 30$)	2.7 ± 0.1	1.0 ± 0.0	0.10 ± 0.01
WZ	2013.7 ± 17.2	1323.0 ± 11.7	0.44 ± 0.06
ZZ	122.6 ± 0.5	110.2 ± 0.8	54.76 ± 1.59
Misidentified ℓ and τ_h	3952.0 ± 81.3	668.4 ± 25.8	2.28 ± 1.02
Conversion electrons	1001.9 ± 60.8	145.5 ± 11.4	0.89 ± 0.35
Electron charge flips	366.4 ± 17.8	< 0.1	< 0.01
Single Higgs boson	215.5 ± 2.2	61.6 ± 0.6	2.42 ± 0.32
Other backgrounds	2671.9 ± 72.2	292.1 ± 10.5	3.97 ± 0.22
Total expected background	10344.0 ± 86.1	2600.8 ± 31.2	64.77 ± 1.74
Data	10344	2621	62

Process	$4\tau_h$	$1\ell + 3\tau_h$	$2\ell + 2\tau_h$	$3\ell + 1\tau_h$
SM HH \rightarrow VVVV ($\times 30$)	0.26 ± 0.01	0.19 ± 0.02	0.16 ± 0.04	0.91 ± 0.05
SM HH \rightarrow VV $\tau\tau$ ($\times 30$)	0.07 ± 0.03	0.61 ± 0.14	3.94 ± 0.37	4.13 ± 0.24
SM HH \rightarrow $\tau\tau\tau\tau$ ($\times 30$)	1.32 ± 0.20	2.59 ± 0.28	2.30 ± 0.13	0.89 ± 0.05
WZ	< 0.01	< 0.01	0.02 ± 0.01	0.16 ± 0.01
ZZ	0.70 ± 0.05	1.91 ± 0.12	18.56 ± 0.41	24.29 ± 0.33
Misidentified ℓ and τ_h	1.49 ± 0.94	2.01 ± 1.42	33.36 ± 3.75	25.14 ± 3.12
Conversion electrons	< 0.01	0.02 ± 0.03	0.10 ± 0.05	0.14 ± 0.02
Single Higgs boson	0.38 ± 0.13	0.76 ± 0.25	2.86 ± 0.50	3.80 ± 0.19
Other backgrounds	0.02 ± 0.02	0.12 ± 0.04	2.11 ± 0.22	2.66 ± 0.13
Total expected background	2.59 ± 0.96	4.82 ± 1.45	57.00 ± 3.81	56.20 ± 3.23
Data	1	6	55	55

Process	3ℓ WZ CR	4ℓ ZZ CR
WZ	12554.7 ± 56.3	< 0.1
ZZ	800.0 ± 6.4	2033.9 ± 20.0
Misidentified ℓ and τ_h	906.0 ± 38.0	13.2 ± 3.9
Conversion electrons	133.2 ± 8.1	2.9 ± 0.1
Other backgrounds	615.8 ± 14.2	58.7 ± 1.6
Total expected background	15009.7 ± 63.7	2108.6 ± 13.1
Data	14994	2096