

Table 1: TOP-22-006 unblind yields, calculated Sep 16, 2022 (version at21v01)

	2lss m 3b	2lss p 3b	2lss m 2b	2lss p 2b	3l m 1b	3l p 1b	3l m 2b	3l p 2b	3l onZ 1b	3l onZ 2b	4l 2b
tWZ sm	0.45	0.47	6.6	6.63	4.76	4.74	1.68	1.68	63.03	20.2	2.72
Diboson sm	0.09	0.25	11.99	15.63	30.33	29.52	2.02	3.18	336.87	34.2	4.81
Triboson sm	0.04	0.07	2.14	3.11	0.95	1.32	0.1	0.17	15.94	2.59	0.45
charge flips sm	1.62	1.57	17.5	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
fakes sm	6.75	8.96	112.79	120.82	57.02	56.61	11.91	10.53	55.72	10.24	0.0
convs sm	0.95	0.84	11.4	9.53	3.36	2.91	3.23	3.06	0.78	0.68	0.01
Sum bkg	9.46	11.69	155.81	166.48	91.66	90.37	17.25	16.93	409.3	47.71	5.26
ttlnu sm	12.39	23.41	142.46	269.49	25.56	47.13	27.12	50.42	10.14	11.38	0.03
ttl sm	12.17	12.19	117.75	118.43	51.33	50.8	48.2	49.53	319.17	294.37	40.22
ttH sm	9.38	9.37	82.29	82.49	23.4	23.13	22.81	22.61	9.58	9.66	3.5
tllq sm	0.46	0.86	6.45	11.64	5.44	9.51	2.39	4.21	111.1	47.92	0.01
tHq sm	0.12	0.23	1.4	2.58	0.47	0.83	0.35	0.61	0.35	0.23	0.03
tttt sm	9.5	9.42	7.49	7.38	0.86	0.85	4.85	4.9	0.21	1.29	0.55
Sum sig	44.02	55.48	357.85	492.02	107.07	132.23	105.73	132.27	450.54	364.85	44.35
Sum expected	53.48	67.17	513.66	658.5	198.72	222.6	122.98	149.2	859.85	412.56	49.61
Observation	71.0	68.0	608.0	781.0	233.0	270.0	148.0	158.0	1074.0	466.0	50.0
Pdiff	-32.76	-1.24	-18.37	-18.6	-17.25	-21.29	-20.34	-5.9	-24.91	-12.95	-0.79