

CMS SUMMER 2016

Beatriz Lopes
Bruno Valeixo Bento

July 2016

Process	No cut	PreSelection	Met > 540	Cos $\Delta\phi$ > 0.25	H_T (20) > 700
wjets	172949.00 \pm 322.52	3585.08 \pm 30.79	176.64 \pm 4.61	7.33 \pm 0.96	2.95 \pm 0.57
ttbar	53574.00 \pm 140.14	1022.45 \pm 19.36	19.43 \pm 2.67	1.47 \pm 0.73	1.10 \pm 0.63
Total Background	226523.00 \pm 351.65	4607.53 \pm 36.37	196.07 \pm 5.33	8.79 \pm 1.20	4.05 \pm 0.85
Signal	1416.00 \pm 11.98	309.22 \pm 5.60	42.68 \pm 2.08	9.53 \pm 0.98	7.40 \pm 0.87
Signal + Background	227939.00 \pm 351.86	4916.75 \pm 36.80	238.75 \pm 5.72	18.32 \pm 1.55	11.45 \pm 1.21
Data	226606.00 \pm 476.03	4673.00 \pm 68.36	191.00 \pm 13.82	8.00 \pm 2.83	2.00 \pm 1.41

Table 1: Yields1