

Process	Sequential Cut				Random Forest	
	DF		SF		DF	SF
	0-jet	1-jet	0-jet	1-jet	all jet multiplicities	
Top quark	$2110 \pm 110$	$5000 \pm 120$	$1202 \pm 66$	$2211 \pm 69$	$3450 \pm 340$	$830 \pm 82$
Drell–Yan	$129 \pm 10$	$498 \pm 38$	$1230 \pm 260$	$285 \pm 86$	$1360 \pm 130$	$692 \pm 72$
VZ	$227 \pm 13$	$270 \pm 12$	$192 \pm 12$	$110 \pm 7$	$279 \pm 29$	$139 \pm 10$
V V V	$11 \pm 1$	$29 \pm 2$	$4 \pm 1$	$6 \pm 1$	$13 \pm 4$	$3 \pm 2$
$H \rightarrow W^+W^-$	$269 \pm 41$	$150 \pm 25$	$50 \pm 2$	$27 \pm 1$	$241 \pm 26$	$90 \pm 10$
$W\gamma^{(*)}$	$147 \pm 17$	$136 \pm 13$	$123 \pm 5$	$58 \pm 6$	$305 \pm 88$	$20 \pm 6$
Nonprompt leptons	$980 \pm 230$	$550 \pm 120$	$153 \pm 39$	$127 \pm 32$	$940 \pm 300$	$183 \pm 59$
Total background	$3870 \pm 260$	$6640 \pm 180$	$2950 \pm 270$	$2820 \pm 120$		
	$10\,510 \pm 310$		$5780 \pm 300$		$6600 \pm 480$	$1960 \pm 120$
$q\bar{q} \rightarrow W^+W^-$	$6430 \pm 250$	$2530 \pm 140$	$2500 \pm 180$	$1018 \pm 71$	$12\,070 \pm 770$	$2820 \pm 180$
$gg \rightarrow W^+W^-$	$521 \pm 66$	$291 \pm 38$	$228 \pm 32$	$117 \pm 15$	$693 \pm 44$	$276 \pm 17$
Total $W^+W^-$	$6950 \pm 260$	$2820 \pm 150$	$2730 \pm 190$	$1136 \pm 72$		
	$9780 \pm 300$		$3860 \pm 200$		$12\,770 \pm 820$	$3100 \pm 200$
Total yield	$10\,820 \pm 360$	$9460 \pm 240$	$5680 \pm 330$	$3960 \pm 360$		
	$20\,280 \pm 430$		$9640 \pm 490$		$19\,360 \pm 950$	$5060 \pm 240$
Purity	0.64	0.30	0.48	0.29		
	0.48		0.40		0.66	0.61
Observed	10 866	9404	5690	3914	19 418	5210