

Trigger	Typical offline selection	Trigger Selection		Level-1 Peak Rate (kHz)	HLT Peak Rate (Hz)
		Level-1 (GeV)	HLT (GeV)	$L = 5 \times 10^{33} \text{ cm}^{-2}\text{s}^{-1}$	
Single leptons	Single iso $\mu$ , $p_T > 21$ GeV	15	20	7	130
	Single $e$ , $p_T > 25$ GeV	20	24	18	139
	Single $\mu$ , $p_T > 42$ GeV	20	40	5	33
	Single $\tau$ , $p_T > 90$ GeV	60	80	2	41
Two leptons	Two $\mu$ 's, each $p_T > 11$ GeV	$2 \times 10$	$2 \times 10$	0.8	19
	Two $\mu$ 's, $p_T > 19, 10$ GeV	15	18, 8	7	18
	Two loose $e$ 's, each $p_T > 15$ GeV	$2 \times 10$	$2 \times 12$	10	5
	One $e$ & one $\mu$ , $p_T > 10, 26$ GeV	20 ( $\mu$ )	7, 24	5	1
	One loose $e$ & one $\mu$ , $p_T > 19, 15$ GeV	15, 10	17, 14	0.4	2
	Two $\tau$ 's, $p_T > 40, 30$ GeV	20, 12	35, 25	2	22
	One $\tau$ , one $\mu$ , $p_T > 30, 15$ GeV	12, 10 (+jets)	25, 14	0.5	10
One $\tau$ , one $e$ , $p_T > 30, 19$ GeV	12, 15 (+jets)	25, 17	1	3.9	
Three leptons	Three loose $e$ 's, $p_T > 19, 11, 11$ GeV	15, $2 \times 7$	17, $2 \times 9$	3	$< 0.1$
	Three $\mu$ 's, each $p_T > 8$ GeV	$3 \times 6$	$3 \times 6$	$< 0.1$	4
	Three $\mu$ 's, $p_T > 19, 2 \times 6$ GeV	15	18, $2 \times 4$	7	2
	Two $\mu$ 's & one $e$ , $p_T > 2 \times 11, 14$ GeV	$2 \times 10$ ( $\mu$ 's)	$2 \times 10, 12$	0.8	0.2
	Two loose $e$ 's & one $\mu$ , $p_T > 2 \times 11, 11$ GeV	$2 \times 8, 10$	$2 \times 12, 10$	0.3	$< 0.1$
One photon	one $\gamma$ , $p_T > 125$ GeV	22	120	8	20
Two photons	Two loose $\gamma$ 's, $p_T > 40, 30$ GeV	$2 \times 15$	35, 25	1.5	12
	Two tight $\gamma$ 's, $p_T > 25, 25$ GeV	$2 \times 15$	$2 \times 20$	1.5	7
Single jet	Jet ( $R = 0.4$ ), $p_T > 400$ GeV	100	360	0.9	18
	Jet ( $R = 1.0$ ), $p_T > 400$ GeV	100	360	0.9	23
$E_T^{\text{miss}}$	$E_T^{\text{miss}} > 180$ GeV	50	70	0.7	55
Multi-jets	Four jets, each $p_T > 95$ GeV	$3 \times 40$	$4 \times 85$	0.3	20
	Five jets, each $p_T > 70$ GeV	$4 \times 20$	$5 \times 60$	0.4	15
	Six jets, each $p_T > 55$ GeV	$4 \times 15$	$6 \times 45$	1.0	12
$b$ -jets	One loose $b$ , $p_T > 235$ GeV	100	225	0.9	35
	Two medium $b$ 's, $p_T > 160, 60$ GeV	100	150, 50	0.9	9
	One $b$ & three jets, each $p_T > 75$ GeV	$3 \times 25$	$4 \times 65$	0.9	11
	Two $b$ & two jets, each $p_T > 45$ GeV	$3 \times 25$	$4 \times 35$	0.9	9
$b$ -physics	Two $\mu$ 's, $p_T > 6, 4$ GeV plus dedicated $b$ -physics selections	6, 4	6, 4	8	52
Total				70	1400