#	Process	Typical physics cuts	Trigg. L1 (95% eff.?)
1	W (l ν) + H (b $\bar{b}$)	1 l (I), $E_t > 20$, $\|\eta\| < 2.5$ 2 bj, $E_t > 25$, $\|\eta\| < 2.5$ $E_t^{miss} > 20$	E > 15 or M > 15 $\|\eta\| < 2.5$ 2 J > 25 $\|\eta\| < 2.5$
2	t $\bar{t}$ (l ν +X) + H (b $\bar{b}$)	1 l (I), $E_t > 20$, $\|\eta\| < 2.5$ 4 bj + 2 j, $E_t > 25$, $\|\eta\| < 2.5$ $E_t^{miss} > 20$	E > 15 or M > 15 $\|\eta\| < 2.5$ 2 J > 25 $\|\eta\| < 2.5$
3a 3b	h,H,A (τ τ) → l + h + X + tag. jet(s)	1 l (I), $E_t > 20$, $\|\eta\| < 2.5$ 1 hj, $E_t > 40$, $\|\eta\| < 2.5$ $E_t^{miss} > 20$ 1- 2 j, $E_t > 25$, $2 < \|\eta\| < 4.5$	E > 15 or M > 15 $\|\eta\| < 2.5$ T > 40 $\|\eta\| < 2.5$ J > 25 $2 < \|\eta\| < 4.5$
4a 4b	h,H,A (τ τ) → h + h + X + tag. jet(s)	2 hj, $E_t > 60$, $\|\eta\| < 2.5$ $E_t^{miss} > 40$ 1- 2 j, $E_t > 25$, $2 < \|\eta\| < 4.5$	2T > 60 $\|\eta\| < 2.5$ J > 25 $2 < \|\eta\| < 4.5$
5	qqH → W (l ν) W (q q) + tag. jet(s)	1 l (I), $E_t > 50$, $\|\eta\| < 2.5$ 1-2 j, $E_t > 40$, $\|\eta\| < 2.5$ $E_t^{miss} > 150$ 1- 2 j, $E_t > 25$, $2 < \|\eta\| < 4.5$	E > 30 or M > 30 $\|\eta\| < 2.5$
6	t $\bar{t}$ (l ν +X)	1 l (I), $E_t > 20$, $\|\eta\| < 2.5$ 2 bj + 2 j, $E_t > 25$, $\|\eta\| < 2.5$ $E_t^{miss} > 20$	E > 15 or M > 15 $\|\eta\| < 2.5$ 2 J > 25 $\|\eta\| < 2.5$
7	q + t (l ν +X) + b	1 l (I), $E_t > 20$, $\|\eta\| < 2.5$ 1 bj, $E_t > 25$, $\|\eta\| < 2.5$ 1 j, $E_t > 25$, $2 < \|\eta\| < 4.5$ $E_t^{miss} > 20$	E > 15 or M > 15 $\|\eta\| < 2.5$ J > 25 $\|\eta\| < 2.5$ J > 25 $2 < \|\eta\| < 4.5$

- **For some processes single lepton trigger isn't enough**
- **combined l+jets trigger gives possibility to reduce lepton E_t threshold**