

| Trigger Selection | Run 1 Offline p_T Threshold [GeV] | Run 2 (2017) Offline p_T Threshold [GeV] | Planned HL-LHC Offline p_T Threshold [GeV] | L0 Rate [kHz] | After regional tracking cuts [kHz] | Event Filter Rate [kHz] |
|----------------------------|--|---|--|---------------------|---|----------------------------------|
| isolated single e | 25 | 27 | 22 | 200 | 40 | 1.5 |
| isolated single μ | 25 | 27 | 20 | 45 | 45 | 1.5 |
| single γ | 120 | 145 | 120 | 5 | 5 | 0.3 |
| forward e | | | 35 | 40 | 8 | 0.2 |
| di- γ | 25 | 25 | 25,25 | | 20 | 0.2 |
| di- e | 15 | 18 | 10,10 | 60 | 10 | 0.2 |
| di- μ | 15 | 15 | 10,10 | 10 | 2 | 0.2 |
| $e - \mu$ | 17,6 | 8,25 / 18,15 | 10,10 | 45 | 10 | 0.2 |
| single τ | 100 | 170 | 150 | 3 | 3 | 0.35 |
| di- τ | 40,30 | 40,30 | 40,30 | 200 | 40 | 0.5 ⁺⁺⁺ |
| single b -jet | 200 | 235 | 180 | 25 | 25 | 0.35 ⁺⁺⁺ |
| single jet | 370 | 460 | 400 | | | 0.25 |
| large- R jet | 470 | 500 | 300 | 40 | 40 | 0.5 |
| four-jet (w/ b -tags) | | 45 [†] (1-tag) | 65(2-tags) | | | 0.1 |
| four-jet | 85 | 125 | 100 | 100 | 20 | 0.2 |
| H_T | 700 | 700 | 375 | 50 | 10 | 0.2 ⁺⁺⁺ |
| E_T^{miss} | 150 | 200 | 210 | 60 | 5 | 0.4 |
| VBF inclusive | | | 2x75 w/ ($\Delta\eta > 2.5$ & $\Delta\phi < 2.5$) | 33 | 5 | 0.5 ⁺⁺⁺ |
| B -physics ⁺⁺ | | | | 50 | 10 | 0.5 |
| Supporting Trigs | | | | 100 | 40 | 2 |
| Total | | | | 1066 | 338 | 10.4 |