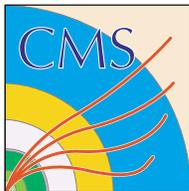


# Sample $10^{33}$ Trigger Rates & Cutoffs

| Trigger Type                       | Trigger $E_T$ Cutoff (GeV) | 95% Efficiency Threshold (GeV) | 90% Efficiency Threshold (GeV) | Incremental Rate (kHz) | Cumulative Rate (kHz) |
|------------------------------------|----------------------------|--------------------------------|--------------------------------|------------------------|-----------------------|
| Non-Iso Electron                   | 20                         | 24                             | 22                             | 5.73                   | 5.73                  |
| Non-Iso Dielectron                 | 10                         | 14                             | 12                             | 2.65                   | 7.44                  |
| Single Tau                         | 80                         | 95                             | 85                             | 3.23                   | 9.85                  |
| Double Tau                         | 60                         | 75                             | 65                             | 1.50                   | 10.34                 |
| Jet ( $ \eta  < 5$ )               | 120                        | 150                            | 140                            | 1.19                   | 10.80                 |
| Dijet ( $ \eta  < 5$ )             | 90                         | 115                            | 105                            | 1.01                   | 10.90                 |
| Trijet ( $ \eta  < 5$ )            | 70                         | 95                             | 85                             | 0.33                   | 10.91                 |
| Quadjet ( $ \eta  < 5$ )           | 50                         | 75                             | 65                             | 0.33                   | 10.99                 |
| Jet · Electron                     | 100 & 10                   | 125 & 14                       | 115 & 12                       | 1.11                   | 11.10                 |
| Tau · Electron                     | 65 & 10                    | 80 & 14                        | 70 & 12                        | 3.50                   | 11.87                 |
| Missing $E_T$ ( $ \eta  < 5$ )     | 100                        |                                | 275                            | 0.01                   | 11.87                 |
| Electron · $ME_T$ ( $ \eta  < 5$ ) | 10 & 50                    |                                | 12 & 175                       | 0.15                   | 11.90                 |
| Jet · $ME_T$ ( $ \eta  < 5$ )      | 50 & 50                    |                                | 65 & 175                       | 0.63                   | 12.24                 |
| Sum $E_T$ ( $ \eta  < 5$ )         | 500                        |                                | ~1000                          | 0.02                   | 12.24                 |
| Total Rate                         |                            |                                |                                |                        | 12.24                 |



# Sample $10^{34}$ Trigger Rates & Cutoffs

| Trigger Type                                  | Trigger $E_T$ Cutoff (GeV) | 95% Efficiency Threshold (GeV) | 90% Efficiency Threshold(GeV) | Individual Rate (kHz) | Cumulative Rate (kHz) |
|---|----------------------------|--------------------------------|-------------------------------|-----------------------|-----------------------|
| Iso-Electron                                  | 30                         | 35                             | 32                            | 7.21                  | 7.21                  |
| Iso-Dielectron                                | 15                         | 20                             | 18                            | 0.59                  | 7.47                  |
| Single Tau                                    | 150                        | 175                            | 165                           | 1.27                  | 8.71                  |
| Double Tau                                    | 80                         | 105                            | 95                            | 2.52                  | 10.86                 |
| Jet ( $ \eta <5$ )                            | 250                        | 285                            | 275                           | 0.40                  | 11.16                 |
| Dijet ( $ \eta <5$ )                          | 200                        | 225                            | 215                           | 0.36                  | 11.25                 |
| Trijet ( $ \eta <5$ )                         | 100                        | 125                            | 115                           | 0.72                  | 11.58                 |
| Quadjet ( $ \eta <5$ )                        | 80                         | 105                            | 95                            | 0.24                  | 11.61                 |
| Jet · Electron                                | 150 & 15                   | 165 & 20                       | 155 & 18                      | 0.24                  | 12.70                 |
| Tau · Electron                                | 90 & 15                    | 125 & 20                       | 115 & 18                      | 1.38                  | 12.24                 |
| Missing $E_T$ ( $ \eta <5$ )                  | 150                        |                                | 350                           | 0.005                 | 12.24                 |
| Electron <sup>1</sup> · $ME_T$ ( $ \eta <5$ ) | 15 & 100                   |                                | 18 & 250                      | 0.005                 | 12.24                 |
| Jet · $ME_T$ ( $ \eta <5$ )                   | 80 & 100                   |                                | 95 & 250                      | 0.1                   | 12.29                 |
| Sum $E_T$ ( $ \eta <5$ )                      | 1000                       |                                | ~1500                         | 0.03                  | 12.32                 |
| Non Iso-Electron                              | 55                         | 60                             | 58                            | 0.65                  | 12.78                 |
| Non Iso-Dielectron                            | 25                         | 30                             | 28                            | 0.21                  | 12.93                 |
| Total Rate                                    |                            |                                |                               |                       | 12.93                 |