

Table of Contents

| | |
|------------------------------------|---|
| : Estimated bandwidth in Mb/s..... | 1 |
|------------------------------------|---|

: Estimated bandwidth in Mb/s

Table of bandwidth (Mb/s) per stream and per WG:

| Stream | Charm | RD | BHQ | Calib | QEE | B2OC | SL | B2CC | Charmless | Total |
|----------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Dimuon | 0.1 | 4.5 | 6.0 | | 0.1 | | | 2.2 | | 10.7 |
| Charm | 5.4 | | 0.4 | | | | | | | 5.8 |
| EW | | 0.2 | | | 5.5 | | | | | 5.6 |
| Radiative | | 4.3 | | | | | | 0.1 | | 4.7 |
| Semileptonic | | | | | | | 4.3 | | | 4.3 |
| CharmToBeSwum | 4.2 | | | | | | | | | 4.2 |
| MiniBias | | | | 3.9 | | | | | | 4.0 |
| BhadronCompleteEvent | | | | | | 3.8 | | | | 3.8 |
| Bhadron | | 0.1 | 0.1 | | | 1.6 | | 0.0 | 0.4 | 2.1 |
| Calibration | | | | 0.4 | | | | | | 0.4 |
| CharmCompleteEvent | 1.0 | | | | | 0.2 | 0.3 | | | 1.6 |
| Leptonic | | | 1.0 | | 0.1 | | | | | 1.5 |
| PID | | | | 0.3 | | | | | | 0.3 |
| Total | 10.6 | 9.0 | 7.8 | 4.6 | 5.7 | 5.6 | 4.7 | 2.4 | 0.4 | 49.0 |

The following event sizes are assumed to calculate bandwidth:

| Stream | kB/evt |
|----------------------|---------------------|
| BhadronCompleteEvent | 175 |
| Calibration | 135/4=34* |
| CharmCompleteEvent | 137 |
| Dimuon | 152 |
| EW | 109 |
| MiniBias | 124 |
| Radiative | 148 |
| Semileptonic | 132 |
| Charm | 23 |
| Leptonic | 13 |
| PID | 18/4=4.5* |
| Bhadron | 23 |
| CharmToBeSwum | 137*(0.25+0.10)=48* |

* Only one copy of Calibration, PID and CharmToBeSwum streams will be kept instead of 4. In addition, 10% of CharmToBeSwum will be stored as full DST.

Trigger rate is taken to be 2680 Hz (condition for run 97120)

-- AntonPoluektov - 27-Feb-2012

This topic: LHCb > StrippingStatisticsStrippingPre18Reco12ByStreamBandwidth

Topic revision: r3 - 2012-02-29 - unknown



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback