

Table of Contents

| | |
|-------------------------|---|
| Channel efficiency..... | 1 |
| Sub detectors..... | 1 |

Channel efficiency

Sub detectors

| Sub Detector | Total number of channels | December 2012 | December 2012 | June 2015 | June 2015 |
|--------------------|--------------------------|---------------|----------------|-----------|----------------|
| | | missing | efficiency [%] | missing | efficiency [%] |
| Velo | 172032 | 1340 | 99.27 | 1340 | 99.27 |
| RICH 1 (HPDs) | 180 | 2 | 98.98 | 2 | 98.89 |
| Tracker Turicensis | 143360 | 560 | 99.61 | 3193 | 97.77 |
| Inner Tracker | 129024 | 1664 | 98.71 | 1077 | 99.17 |
| Outer Tracker | 53760 | 80 | 99.85 | 5 | 99.99 |
| RICH 2* (HPDs) | 269 | 0 | 100 | 0 | 100 |
| SPD | 6016 | 72 | 98.80 | 0 | 100 |
| PS | 6016 | 0 | 100 | 0 | 100 |
| ECAL | 6016 | 0 | 100 | 0 | 100 |
| HCAL | 1448 | 0 | 100 | 0 | 100 |
| Muon M1 | 32256 | 0 | 100 | 0 | 100 |
| Muon M2-M5 | 89856 | 78 | 99.92 | 144 | 99.84 |

| | December 2012 | June 2015 |
|--------------------|---------------|-----------|
| Velo | 99.27 | 99.27 |
| RICH 1* (HPDs) | 98.98 | 98.89 |
| Tracker Turicensis | 99.61 | 97.77 |
| Inner Tracker | 98.71 | 99.17 |
| Outer Tracker | 99.85 | 99.99 |
| RICH 2* (HPDs) | 100 | 100 |
| SPD | 98.8 | 100 |
| PS | 100 | 100 |
| ECAL | 100 | 100 |
| HCAL | 100 | 100 |
| Muon M1 | 100.00 | 100 |
| Muon* M2-M5 | 99.92 | 99.85 |

*16 HPDs removed in the corners of RICH 1, 19 anodes in RICH 2, but all located on the periphery and therefore do no harm at all (June 2015). * For the muon chambers, now real front-end channels are counted, before any type of OR(ing) -- RolfLindner - 2015-05-13

This topic: LHCb > ChannelBreakEfficiencyRUNII
 Topic revision: r8 - 2015-05-27 - AlessandroCardini



Copyright &© 2008-2022 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

or Ideas, requests, problems regarding TWiki? use Discourse or Send feedback