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# Channel efficiency

## Sub detectors

Sub Detector	Total number of channels	May 2010	May 2010	July 2010	July 2010	September 2010	September 2010	November 2010	November 2010	March 2011
		missing	efficiency [%]	missing	efficiency [%]	missing	efficiency [%]	missing	efficiency [%]	missing e
Velo	172032	1340	99.22	1222	99.29	1222	99.29	1222	99.29	1222
RICH 1 (HPDs)	196	2	98.98	3	98.47	3	98.47	3	98.47	0
Tracker Turicensis	143360	420	99.71	548	99.62	802	99.44	1311	99.09	281
Inner Tracker	129024	1245	99.04	1788	98.61	2172	98.32	2172	98.32	1702
Outer Tracker	53760	76	99.86	140	99.74	200	99.63	124	99.77	112
RICH 2* (HPDs)	269	0	100	1	99.64	2	99.27	2	99.27	0
SPD	6016	0	100	0	100	0	100	0	100	0
PS	6016	0	100	0	100	2	99.97	2	99.97	0
ECAL	6016	7	99.88	7	99.88	9	99.85	9	99.85	0
HCAL	1448	3	99.79	3	99.79	3	99.79	3	99.79	1
Muon M1	9216	42	99.54	44	99.52	44	99.52	42	99.54	20
Muon M2-M5	16704	11	99.93	9	99.95	9	99.95	4	99.98	16

	May 2010	July 2010	September 2010	November 2010	March 2011	June 2011	September 2011	November 2011	March 2012	June 2012	September 2012	December 2012
Velo	99.22	99.29	99.29	99.29	99.29	99.29	99.29	99.29	99.27	99.27	99.27	99.27
RICH 1* (HPDs)	98.98	98.47	98.47	98.47	100	100	100	100	100	100	100	98.98
Tracker Turicensis	99.71	99.62	99.44	99.09	99.80	99.80	99.77	99.77	99.78	99.57	99.71	99.61
Inner Tracker	99.04	98.61	98.32	98.32	98.79	98.40	98.22	98.22	98.92	98.72	98.71	98.71
Outer Tracker	99.86	99.74	99.63	99.77	99.79	99.73	99.49	99.52	99.98	99.98	99.98	99.85
RICH 2* (HPDs)	100	99.64	99.27	99.27	100	100	100	99.26	99.64	99.64	100	100
SPD	100	100	100	100	100	100	100	100	100	100	100	98.8
PS	100	100	99.97	99.97	100	100	100	100	100	99.92	100	100
ECAL	99.88	99.88	99.85	99.85	100	100	100	100	100	100	100	100
HCAL	99.79	99.79	99.79	99.79	99.93	99.93	99.93	99.93	100	100	100	100
Muon M1	99.54	99.52	99.52	99.54	99.78	99.70	99.76	99.70	99.84	99.84	100.00	
Muon M2-M5	99.93	99.95	99.95	99.98	99.90	99.96	99.97	99.97	99.98	99.98	99.92	

## ChannelBreakEfficiency < LHCb < TWiki

\*19 missing HPDs, but all located on the periphery and therefore do no harm at all (September 2011).

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This topic: LHCb > ChannelBreakEfficiency

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