

Table of Contents

Bandwidth per WG and per stream.....	1
Lines in full DST streams with retention more than 0.05%.....	2
.....	3
Dimuon.....	3
Leptonic.....	3
.....	4
Bhadron.....	4
.....	5
Bhadron.....	5
Charm.....	5
Dimuon.....	5
Calib.....	6
Calibration.....	6
Charm.....	7
Charm.....	7
Charmless.....	9
Bhadron.....	9
QEE.....	10
EW.....	10
RD.....	11
Dimuon.....	11
Leptonic.....	12
SL.....	13
Charm.....	13
Semileptonic.....	13

Bandwidth per WG and per stream

Note: 5 kHz trigger rate is used in the calculation. Test sample is
 \$STRIPPINGSELECTIONSROOT/tests/data/Reco14_2011Data_MagDn_New.py (~5M events)

WG / Stream	Bhadron	BhadronCompleteEvent	Calibration	Charm	CharmCompleteEvent	Dimuon	EW	Leptonic	Semileptonic	Total, Mb/s	Time, ms/event
B2CC						0.89		0.01		0.90	16.8
B2OC	0.19	0.61								0.80	39.8
BandQ	0.03			0.07	0.16	0.54				0.80	21.7
Calib			0.05		0.20					0.25	17.5
Charm				0.48	0.19					0.67	38.8
Charmless	0.34	0.92								1.26	39.5
QEE		0.31					0.71			1.02	25.8
RD		0.40				0.66		0.03		1.09	68.7
SL				0.09					1.14	1.23	23.2
All	0.57	2.18	0.05	0.64	0.57	2.02	0.71	0.04	1.13	7.91	144.0

Lines in full DST streams with retention more than 0.05%

WG	Stream	Line name	N evnts	Rate, %
BandQ	Dimuon	StrippingX1bcX2JpsiProtonGoodPointing	3106	0.0587
Charmless	BhadronCompleteEvent	StrippingBetaSQ2B4piSelectionLine	5557	0.1050
Charmless	BhadronCompleteEvent	StrippingBetaSQ2B3piSelectionLine	4352	0.0822
QEE	EW	StrippingWeJetsLine	3687	0.0696
SL	Semileptonic	StrippingB2XuMuNuBu2RhoSBLine	3369	0.0636

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingBetaSJpsi2MuMuLine	857	0.0162	0.050
StrippingBetaSBs2JpsiPhiDetachedLine	1395	0.0263	0.063
StrippingBetaSBu2JpsiKPrescaledLine	512	0.0097	0.079
StrippingBetaSBs2JpsiPhiPrescaledLine	589	0.0111	0.093
StrippingBetaSBd2JpsiKstarPrescaledLine	381	0.0072	0.078
StrippingBetaSBd2JpsiKsPrescaledLine	1045	0.0197	0.618
StrippingBetaSBs2JpsiEtaPrescaledLine	381	0.0072	0.091
StrippingBetaSBs2JpsiEtapPrescaledLine	761	0.0144	0.095
StrippingBetaSPsi2SMuMu_InclPsi2SToMuMuLine	377	0.0071	0.046
StrippingBetaSPsi2SMuMu_InclPsi2SToMuMuDetachedLine	1932	0.0365	0.866

Leptonic

Line name	N evnts	Rate, %	ms/evt
StrippingBetaSBs2JpsiPhiMicroLine	1395	0.0263	8.571

Bhadron

Line name	N evnts	Rate, %	ms/evt
StrippingB2D0KD2Pi0HHMergedBeauty2CharmLine	2081	0.0393	6.460
StrippingB2D0KD2Pi0HHResolvedBeauty2CharmLine	15353	0.2900	3.986
StrippingB2D0PiD2Pi0HHMergedBeauty2CharmLine	1875	0.0354	0.122
StrippingB2D0PiD2Pi0HHResolvedBeauty2CharmLine	13893	0.2624	0.557
StrippingB2D0DBeauty2CharmLine	6276	0.1185	3.712
StrippingLb2D0Lambda0DDD02HHBeauty2CharmLine	171	0.0032	0.720
StrippingLb2D0Lambda0LLD02HHBeauty2CharmLine	83	0.0016	0.746

Line name	N evnts	Rate, %	ms/evt
StrippingB02DDFULLDSTBeauty2CharmLine	1211	0.0229	1.328
StrippingB02DDUPFULLDSTBeauty2CharmLine	5	0.0001	1.955
StrippingB02D0D0D02K3PiUPFULLDSTBeauty2CharmLine	40	0.0008	4.615
StrippingB02D0PPbarD2HHFULLDSTBeauty2CharmLine	887	0.0168	0.800
StrippingB2D0PiD2HHHHTIGHTBeauty2CharmLine	1157	0.0219	4.398
StrippingB2D0PiPiPiD2HHTIGHTBeauty2CharmLine	1604	0.0303	0.713
StrippingB2D0KD2KSPi0HHLLMergedBeauty2CharmLine	125	0.0024	0.225
StrippingB2D0KD2KSPi0HHDDMergedBeauty2CharmLine	32	0.0006	0.258
StrippingB2D0KD2KSPi0HHLLResolvedBeauty2CharmLine	887	0.0168	0.993
StrippingB2D0KD2KSPi0HHDDResolvedBeauty2CharmLine	296	0.0056	1.652
StrippingB2D0PiD2KSPi0HHLLMergedBeauty2CharmLine	114	0.0022	0.081
StrippingB2D0PiD2KSPi0HHDDMergedBeauty2CharmLine	28	0.0005	0.074
StrippingB2D0PiD2KSPi0HHLLResolvedBeauty2CharmLine	595	0.0112	0.108
StrippingB2D0PiD2KSPi0HHDDResolvedBeauty2CharmLine	258	0.0049	0.090

Bhadron

Line name	N evnts	Rate, %	ms/evt
StrippingBc3pppiForBc3h	563	0.0106	9.010
StrippingBc3ppkForBc3h	190	0.0036	0.565
StrippingBc3piForBc3h	2421	0.0457	0.815
StrippingBc3kForBc3h	137	0.0026	0.709
StrippingBc3kpiForBc3h	2227	0.0421	0.113

Charm

Line name	N evnts	Rate, %	ms/evt
StrippingXicHHHTheta2PKS0Line	12297	0.2323	2.110

Line name	N evnts	Rate, %	ms/evt
StrippingBetac2PhiPBetac2PhiPLine	1435	0.0271	1.400

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingXibcXibc2JpsiKp	2014	0.0380	0.549
StrippingXibcLb2JpsiKp	1052	0.0199	0.072
StrippingXibcX2JpsiProtonGoodPointing	3106	0.0587	0.138

Calib

Calibration

Line name	N evnts	Rate, %	ms/evt
StrippingBu2LcippiLc2KpiB2LcpXlc2KpiLine	484	0.0092	9.632
StrippingBd2LcippiLc2KpiB2LcpXlc2KpiLine	2224	0.0420	0.058
StrippingTrackEffMuonTT_JpsiLine1	0	0.0000	0.000
StrippingTrackEffMuonTT_JpsiLine2	0	0.0000	0.000
StrippingTrackEffMuonTT_UpsilonLine1	0	0.0000	0.000
StrippingTrackEffMuonTT_UpsilonLine2	0	0.0000	0.000
StrippingTrackEffMuonTT_ZLine1	7	0.0001	1.076
StrippingTrackEffMuonTT_ZLine2	7	0.0001	0.494
StrippingTrackEffMuonTT_BJpsiKLine1	0	0.0000	0.000
StrippingTrackEffMuonTT_BJpsiKLine2	0	0.0000	0.000

Line name	N evnts	Rate, %	ms/evt
StrippingTriggerValidationD02KPiLine	0	0.0000	0.000
StrippingTriggerValidationD2KPiPiLine	0	0.0000	0.000
StrippingTriggerValidationJpsi2MMLine	0	0.0000	0.000
StrippingTriggerValidationPhi2KKLine	0	0.0000	0.000
StrippingTriggerValidationJpsi2MM_NoRecoLine	1568	0.0296	0.049
StrippingTriggerValidationD02KPi_NoRecoLine	497	0.0094	0.057

Charm

Charm

Line name	N evnts	Rate, %	ms/evt
StrippingD2KS0HPionLine	1058	0.0200	0.483
StrippingD2XMuMu_KSSLine	0	0.0000	0.000
StrippingD2XMuMu_KOSLine	0	0.0000	0.000
StrippingD2XMuMu_PiSSLine	0	0.0000	0.000
StrippingD2XMuMu_PiOSLine	0	0.0000	0.000
StrippingD2XMuMu_PiCalLine	0	0.0000	0.000
StrippingD2XMuMu_K2PiLine	0	0.0000	0.000
StrippingD2XMuMu_2KPiLine	0	0.0000	0.000
StrippingD2XMuMu_KKLine	0	0.0000	0.000
StrippingD2XMuMu_PiPiLine	0	0.0000	0.000
StrippingD2XMuMu_KPiLine	0	0.0000	0.000
StrippingD2XMuMu_KKPiPiLine	5219	0.0986	1.492
StrippingD2XMuMu_K3PiLine	2560	0.0484	0.573
StrippingD2XMuMu_PiPiPiPiLine	3231	0.0610	1.589
StrippingD2XMuMu_Lambdac2PMuMuLine	0	0.0000	0.000
StrippingD2XMuMu_Lambdac2PPiPiLine	0	0.0000	0.000
StrippingD2PiPi0_eegammaPiPi0PromptLine	7194	0.1359	6.771
StrippingD2PiPi0_eegammaKPi0PromptLine	4101	0.0775	1.573
StrippingD2PiPi0_eegammaPiEtaPromptLine	4810	0.0909	0.366
StrippingD2PiPi0_eegammaKEtaPromptLine	2778	0.0525	0.200
StrippingD2PiPi0_eegammaPiEtaPrimePromptLine	8876	0.1677	0.314
StrippingD2PiPi0_eegammaKEtaPrimePromptLine	7110	0.1343	0.179
StrippingD2PiPi0_eegammaSemiLeptonicLine	1104	0.0209	0.233
StrippingDstarToHHPi0_Kpipi0_R_Line	0	0.0000	0.975
StrippingDstarToHHPi0_Kpipi0WS_R_Line	0	0.0000	0.070
StrippingDstarToHHPi0_pipipi0_R_Line	0	0.0000	0.067
StrippingDstarToHHPi0_KKpi0_R_Line	0	0.0000	0.066
StrippingDstarToHHPi0_Kpipi0_M_Line	0	0.0000	0.065
StrippingDstarToHHPi0_pipipi0_M_Line	0	0.0000	0.066
StrippingDstarToHHPi0_KKpi0_M_Line	0	0.0000	0.068
StrippingDstarToHHPi0_Kpipi0_R_WIDEMASS_Line	0	0.0000	0.055
StrippingB2ppipiSigmaCmm_Lcpi_PartReco_Line	12404	0.2343	0.570
StrippingB2ppipiSigmaCmm_Lcpi_PartRecoWS_Line	9096	0.1718	0.061
StrippingB2ppipiSigmaCmm_Lcpi_Closed_Line_FourPart	363	0.0069	0.062
StrippingB2ppipiSigmaCmm_Lcpi_Closed_Line_FourPart_WS	253	0.0048	0.060
StrippingDstarPromptWithD02HHMuMuControlLine	9626	0.1818	2.135
StrippingDstarD0ToKsHHPi0_Kspipipi0_LLResolved_Line	0	0.0000	0.073
StrippingDstarD0ToKsHHPi0_Kspipipi0_DDResolved_Line	0	0.0000	0.068
StrippingDstarD0ToKsHHPi0_Kspipipi0_LLMerged_Line	0	0.0000	0.067
StrippingDstarD0ToKsHHPi0_Kspipipi0_DDmerged_Line	0	0.0000	0.067

Line name	N evnts	Rate, %	ms/evt
StrippingB2ppipiSigmaCmm_Lcpi_FULLDST_PartReco_Line	616	0.0116	0.597
StrippingB2ppipiSigmaCmm_Lcpi_FULLDST_PartRecoWS_Line	410	0.0078	0.562

StrippingStatisticsStripping20r1p2Test3 < LHCb < TWiki

StrippingB2ppipiSigmacmm_Lcpi_FULLDST_Closed_Line_FourPart	363	0.0069	9.961
StrippingB2ppipiSigmacmm_Lcpi_FULLDST_Closed_Line_FourPart_W	253	0.0048	0.080
Strippingb2D0MuXKsPiPiPi0MergedLLCharmFromBSemiLine	2	0.0000	0.980
Strippingb2D0MuXKsPiPiPi0MergedDDCharmFromBSemiLine	4	0.0001	0.978
Strippingb2D0MuXKsPiPiPi0ResolvedLLCharmFromBSemiLine	35	0.0007	0.233
Strippingb2D0MuXKsPiPiPi0ResolvedDDCharmFromBSemiLine	50	0.0009	0.357
Strippingb2DstarMuXKsPiPiPi0MergedLLCharmFromBSemiLine	0	0.0000	0.069
Strippingb2DstarMuXKsPiPiPi0MergedDDCharmFromBSemiLine	2	0.0000	0.067
Strippingb2DstarMuXKsPiPiPi0ResolvedLLCharmFromBSemiLine	12	0.0002	0.066
Strippingb2DstarMuXKsPiPiPi0ResolvedDDCharmFromBSemiLine	15	0.0003	0.066

Charmless

Bhadron

Line name	N evnts	Rate, %	ms/evt
StrippingBu2Kpi0ResolvedLine	14526	0.2744	15.321
StrippingBu2Kpi0MergedLine	17124	0.3235	0.178
StrippingLb2V0hDDLLine	877	0.0166	3.151
StrippingLb2V0hL呢Line	375	0.0071	3.385
StrippingLb2V0hhDDLLine	3558	0.0672	0.420
StrippingLb2V0hhL呢Line	1583	0.0299	0.238
StrippingB2XEtaB2etapKSLLLine	3929	0.0742	3.131
StrippingB2XEtaB2etapKSDDLLine	3168	0.0599	2.202
StrippingB2XEtaB2eta3piKSLLLine	5080	0.0960	0.500
StrippingB2XEtaB2eta3piKSDDLLine	2396	0.0453	0.205
StrippingB2XEtaLb2etapLLLLine	1689	0.0319	0.980
StrippingB2XEtaLb2etapLDDLLine	1493	0.0282	0.362
StrippingB2XEtaLb2eta3piLLLLine	2028	0.0383	0.215
StrippingB2XEtaLb2eta3piLDDLLine	1234	0.0233	0.155

Line name	N evnts	Rate, %	ms/evt
StrippingBetaSQ2B4piSelectionLine	5557	0.1050	0.957
StrippingBetaSQ2B3piSelectionLine	4352	0.0822	0.261
StrippingBs2Phif0Line	338	0.0064	1.706

QEE

Line name	N evnts	Rate, %	ms/evt
StrippingHighPtTopoJets10000	453	0.0086	0.031
StrippingHighPtTopoJets1000	220	0.0042	0.026
StrippingHighPtTopoJets20000_Cone55	145	0.0027	0.047
StrippingBjetsDoubleTopoLinePS	135	0.0025	0.029
StrippingBjets2B4jetLine	526	0.0099	0.536
StrippingBjets2B3jetLine	923	0.0174	0.061
StrippingBjets1B4jetLine	229	0.0043	1.133
StrippingBjets1B2jethighLinePS	188	0.0036	0.045
StrippingBjets1B2jetlowLinePS	226	0.0043	0.041

EW

Line name	N evnts	Rate, %	ms/evt
StrippingLowMultCEP_D2KpPipPim_line	29	0.0005	0.853
StrippingLowMultCEP_D2KmPipPip_line	18	0.0003	0.056
StrippingLowMultCEP_ChiC2KK_line	25	0.0005	0.053
StrippingLowMultCEP_ChiC2PiPi_line	108	0.0020	0.053
StrippingLowMultCEP_ChiC2KpKpPimPim_line	6	0.0001	0.053
StrippingLowMultCEP_ChiC2KpKmPipPim_line	16	0.0003	0.052
StrippingLowMultCEP_ChiC2KKKK_line	1	0.0000	0.052
StrippingLowMultCEP_ChiC2PiPiPiPi_line	40	0.0008	0.053
StrippingLowMultCEP_D0D0_line	0	0.0000	0.053
StrippingLowMultCEP_D0D0bar_line	0	0.0000	0.052
StrippingLowMultCEP_DpDm_line	0	0.0000	0.052
StrippingLowMultCEP_D0Dp_line	0	0.0000	0.052
StrippingLowMultCEP_DpDp_line	0	0.0000	0.051
StrippingLowMultCEP_KpKm_line	20	0.0004	0.041
StrippingLowMultCEP_KpKp_line	3	0.0001	0.038
StrippingLowMultCEP_LMR2KPi_line	6	0.0001	0.041
StrippingLowMultCEP_LMR2KK_line	1	0.0000	0.041
StrippingLowMultCEP_LMR2PiPi_line	19	0.0004	0.041
StrippingLowMultCEP_ChiC2KKWS_line	1	0.0000	0.040
StrippingLowMultCEP_ChiC2PiPiWS_line	6	0.0001	0.040
StrippingLowMultCEP_ChiC2KpKpPipPipWS_line	0	0.0000	0.040
StrippingLowMultCEP_ChiC2KpKpPipPimWS_line	0	0.0000	0.039
StrippingLowMultCEP_ChiC2KpKmPipPipWS_line	0	0.0000	0.039
StrippingLowMultCEP_ChiC2KKKKWS_line	0	0.0000	0.040
StrippingLowMultCEP_ChiC2PiPiPiPiWS_line	3	0.0001	0.040
StrippingWMuJetsLine	1569	0.0296	7.696
StrippingSbarSCorrelationsPhiLine	970	0.0183	0.048
StrippingSbarSCorrelationsF2Line	38	0.0007	0.112
StrippingSbarSCorrelationsLambdaCplusLine	663	0.0125	0.056
StrippingSbarSCorrelationsLambdaCminusLine	650	0.0123	0.060
StrippingWeJetsLine	3687	0.0696	7.720

RD

Line name	N evnts	Rate, %	ms/evt
StrippingB2XTau_TauTau_TOSLine	445	0.0084	1.160
StrippingB2XTau_TauTau_SB_TOSLine	117	0.0022	0.284
StrippingB2XTau_DD_TOSLine	0	0.0000	0.000
StrippingB2XTau_TauMu_TOSLine	575	0.0109	0.895
StrippingB2XTau_TauMu_SB_TOSLine	163	0.0031	0.226
StrippingB2XTau_DMu_TOSLine	0	0.0000	0.000
StrippingB2XTau_DPi_TOSLine	1081	0.0204	0.428
StrippingB2XTau_TauTau_TISLine	160	0.0030	3.244
StrippingB2XTau_DD_TISLine	0	0.0000	0.000
StrippingB2XTau_TauMu_TISLine	106	0.0020	0.084
StrippingB2XTau_DMu_TISLine	0	0.0000	0.000
StrippingB2XTau_DPi_TISLine	313	0.0059	0.395
StrippingB2XTau_TauTau_SameSign_TOSLine	273	0.0052	0.068
StrippingB2XTau_DD_SameSign_TOSLine	0	0.0000	0.000
StrippingB2XTau_TauMu_SameSign_TOSLine	221	0.0042	0.064
StrippingB2XTau_DMu_SameSign_TOSLine	0	0.0000	0.000
StrippingB2XTau_DPi_SameSign_TOSLine	663	0.0125	0.364
StrippingB2XTau_TauTau_SameSign_TISLine	110	0.0021	0.085
StrippingB2XTau_DD_SameSign_TISLine	0	0.0000	0.000
StrippingB2XTau_TauMu_SameSign_TISLine	72	0.0014	0.075
StrippingB2XTau_DMu_SameSign_TISLine	0	0.0000	0.000
StrippingB2XTau_DPi_SameSign_TISLine	273	0.0052	0.333

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingB2XMuMu_Line	1420	0.0268	8.472
StrippingB2XMuMu_HadronicLine	1443	0.0273	11.478
StrippingInflaton2MuMuLongLine	0	0.0000	0.000
StrippingInflaton2MuMuDownstreamLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bu2InflatonKLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bs2InflatonPhiLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bd2InflatonKstLine	1316	0.0249	2.514
StrippingInflaton2MuMu_Bd2InflatonRhoLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bu2InflatonKDnLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bs2InflatonPhiDnLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bd2InflatonKstDnLine	2	0.0000	0.425
StrippingInflaton2MuMu_Bd2InflatonRhoDnLine	0	0.0000	0.000
StrippingRareStrangeSigmaPMuMuLine	544	0.0103	1.285
StrippingRareStrangeSigmaPEELine	959	0.0181	3.033
StrippingRareStrangeSigmaPMuMuLFVLine	99	0.0019	0.080
StrippingRareStrangeK3PiLine	0	0.0000	0.000

Leptonic

Line name	N evnts	Rate, %	ms/evt
StrippingB2PhiGamma_B2VG_Line	583	0.0110	1.160
StrippingB2KstarGamma_B2VG_Line	2632	0.0497	0.297
StrippingBu2LLK_eeLine	423	0.0080	19.593
StrippingBu2LLK_eeLine2	394	0.0074	3.670
StrippingBu2LLK_mmLine	1291	0.0244	1.137
StrippingBu2LLK_meLine	665	0.0126	0.993

SL

Charm

Line name	N evnts	Rate, %	ms/evt
StrippingPhiToKSks_PhiToKKLine	306	0.0058	0.058
StrippingPhiToKSks_PhiToKsKs_LLLLLine	419	0.0079	1.992
StrippingPhiToKSks_PhiToKsKs_LLDDLine	1345	0.0254	0.332
StrippingPhiToKSks_JPsiToKKLine	610	0.0115	0.110
StrippingPhiToKSks_JPsiToKsKs_LLLLLine	756	0.0143	0.082
StrippingPhiToKSks_JPsiToKsKs_LLDDLine	1952	0.0369	0.075
Strippingb2D0MuXB2DMuNuXLine	7176	0.1355	0.439
StrippingDstarOfb2D0MuXB2DMuNuXLine	2300	0.0434	0.058
Strippingb2DsPi_PhiPi_fakesB2DMuNuXLine	2449	0.0463	1.393

Semileptonic

Line name	N evnts	Rate, %	ms/evt
StrippingB2XuMuNuBs2KLine	1534	0.0290	10.245
StrippingB2XuMuNuBs2KSSLine	2247	0.0424	0.256
StrippingB2XuMuNuBu2RhoLine	1959	0.0370	0.572
StrippingB2XuMuNuBu2RhoWSLine	1189	0.0225	0.229
StrippingB2XuMuNuBu2RhoSBLine	3369	0.0636	0.354
StrippingB2XuMuNuBu2KshSSMu_SSMuminusLine	2202	0.0416	0.304
StrippingB2XuMuNuBu2KshOSMu_SSMuplusLine	2060	0.0389	0.241

This topic: LHCb > StrippingStatisticsStripping20r1p2Test3

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