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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.

WG / Stream	Bhadron	BhadronCompleteEvent	Calibration	Charm	CharmCompleteEvent	CharmToBeSwum	Dimuon	EW	Leptonic	MiniBias	PID	Radiative	Semileptonic	Total, Mb/s	Time, ms/event
Event size, kb	6.7	117.8	24.7	6.3	139.8	36.5	116.6	90.7	4.4	47.5	2.4	126.1	95.2		
B2CC							3.34							3.34	18.5
B2OC		0.35												0.35	10.8
BandQ				0.29	0.03		0.73							1.05	20.5
Calib											0.05			0.05	15.6
Charm				0.24	0.32									0.57	58.7
Charmless	0.01	0.22												0.23	23.9
QEE								0.58						0.58	13.0
RD							0.65		0.02			0.83	0.06	1.56	58.4
SL		0.37											0.91	1.28	17.8
All	0.01	1.09		0.52	0.34		4.43	0.58	0.02		0.05	0.83	0.99	8.86	129.5

Lines in full DST streams with retention more than 0.05%

WG	Stream	Line name	N evnts	Rate, %
B2CC	Dimuon	StrippingBetaSJpsi2MuMuDetachedLine	14464	0.3214
B2OC	BhadronCompleteEvent	StrippingB02D0PPbarD2HHFULLDSTBeauty2CharmLine	2653	0.0590
BandQ	Dimuon	StrippingChiCJPsiGammaConvChicLine	2598	0.0577
QEE	EW	StrippingHighPtGammaLine	2281	0.0507

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingBetaSJpsi2MuMuLine	1036	0.0230	0.052
StrippingBetaSJpsi2MuMuDetachedLine	14464	0.3214	0.904
StrippingBetaSBu2JpsiKPrescaledLine	862	0.0192	0.067
StrippingBetaSBs2JpsiPhiPrescaledLine	766	0.0170	0.069
StrippingBetaSBs2JpsiPhiDetachedLine	1393	0.0310	3.808
StrippingBetaSBd2JpsiKstarPrescaledLine	729	0.0162	0.084
StrippingBetaSBd2JpsiKstarDetachedLine	2072	0.0460	1.231
StrippingBetaSBd2JpsiKsPrescaledLine	923	0.0205	0.113
StrippingBetaSBs2Jpsif0NoIPPrescaledLine	738	0.0164	0.059
StrippingBetaSBs2Jpsif0NoIPDetachedLine	1860	0.0413	1.289
StrippingBetaSBs2Jpsi4PiLine	198	0.0044	0.303
StrippingBetaSBs2JpsiEtaPrescaledLine	1257	0.0279	0.131
StrippingBetaSBs2JpsiEtaDetachedLine	1888	0.0420	0.928
StrippingBetaSBs2JpsiEtapPrescaledLine	1090	0.0242	0.081
StrippingBetaSBs2JpsiEtapDetachedLine	1586	0.0352	1.168
StrippingBetaSBd2JpsiPi0PrescaledLine	1063	0.0236	0.064
StrippingBetaSBd2JpsiRho0PrescaledLine	680	0.0151	0.053
StrippingBetaSBd2JpsiRho0DetachedLine	1797	0.0399	0.893
StrippingBetaSPsi2SMuMu_Bs2Psi2SPhiMuMuDetatchedLine	114	0.0025	0.491
StrippingBetaSPsi2SMuMu_Bs2Psi2SPhiMuMuPrescaledLine	686	0.0152	0.056
StrippingBetaSPsi2S_Bs2Psi2SPhiJpsiPiPiLine	74	0.0016	0.163

Line name	N evnts	Rate, %	ms/evt
StrippingB02D0PPbarD2HHFULLDSTBeauty2CharmLine	2653	0.0590	4.545

Charm

Line name	N evnts	Rate, %	ms/evt
StrippingXicHHHXic2PKPiLine	15961	0.3547	1.245
StrippingXicHHHXic2PKKLine	3999	0.0889	0.074
StrippingXicHHHTheta2PKS0Line	17086	0.3797	2.544
StrippingXicHHHXic2KLamLine	4461	0.0991	2.985
StrippingXicc+ForPromptCharm	2030	0.0451	2.272
StrippingXicc++ForPromptCharm	905	0.0201	0.059
StrippingDsLamCForPromptCharm	90	0.0020	0.051

Line name	N evnts	Rate, %	ms/evt
StrippingBetac2PhiPBetac2PhiPLine	0	0.0000	0.075
StrippingCharmAndWForPromptCharm	30	0.0007	0.164
StrippingDiMuonAndWForPromptCharm	194	0.0043	0.050

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingFullDSTDiMuonJpsi2MuMuDetachedMinusLine	2153	0.0478	3.454
StrippingFullDSTDiMuonPsi2MuMuDetachedMinusLine	757	0.0168	0.381
StrippingChiCJpsiGammaConvChibLine	163	0.0036	0.077
StrippingChiCJpsiGammaConvChicLine	2598	0.0577	0.271

Calib

PID

Line name	N evnts	Rate, %	ms/evt
StrippingSigmacForPIDLine	17218	0.3826	8.953
StrippingCharmFromBSemiForProtonPID_LbToLcMuNuLcToPKPi	2093	0.0465	0.450

Charm

Charm

Line name	N evnts	Rate, %	ms/evt
StrippingDstarPromptWithD02HHHHNoPIDLine	389	0.0086	0.461
StrippingDstarPromptWithD02HHHHLLine	848	0.0189	3.175
StrippingD2XMuMu_KSSLLine	769	0.0171	1.116
StrippingD2XMuMu_KOSLine	1206	0.0268	0.572
StrippingD2XMuMu_PiSSLLine	986	0.0219	0.732
StrippingD2XMuMu_PiOSLine	2074	0.0461	0.911
StrippingD2XMuMu_PiCalLine	1375	0.0306	1.622
StrippingD2XMuMu_K2PiLine	901	0.0200	0.260
StrippingD2XMuMu_2KPiLine	1838	0.0408	0.585
StrippingD2XMuMu_KKLine	98	0.0022	0.733
StrippingD2XMuMu_PiPiLine	852	0.0189	1.646
StrippingD2XMuMu_KPiLine	608	0.0135	0.647
StrippingD2XMuMu_KKPiPiLine	592	0.0132	0.996
StrippingD2XMuMu_K3PiLine	244	0.0054	0.327
StrippingD2XMuMu_PiPiPiPiLine	295	0.0066	0.795
StrippingD2XMuMu_Lambdac2PMuMuLine	782	0.0174	0.695
StrippingD2XMuMu_Lambdac2PPiPiLine	2024	0.0450	0.629
Strippingb2DstarMuXKsKPiLLCharmFromBSemiLine	267	0.0059	0.453
Strippingb2DstarMuXKsKPiDDCharmFromBSemiLine	459	0.0102	0.788
Strippingb2DstarMuXKsPiPiLLCharmFromBSemiLine	349	0.0078	0.106
Strippingb2DstarMuXKsPiPiDDCharmFromBSemiLine	597	0.0133	0.124
Strippingb2DstarMuXKsKKLLCharmFromBSemiLine	70	0.0016	0.086
Strippingb2DstarMuXKsKKDDCharmFromBSemiLine	97	0.0022	0.097
Strippingb2D0MuXKsKPiLLCharmFromBSemiLine	848	0.0189	0.076
Strippingb2D0MuXKsKPiDDCharmFromBSemiLine	1829	0.0406	0.075
Strippingb2D0MuXKsPiPiLLCharmFromBSemiLine	1097	0.0244	0.076
Strippingb2D0MuXKsPiPiDDCharmFromBSemiLine	2237	0.0497	0.076
Strippingb2D0MuXKsKKLLCharmFromBSemiLine	212	0.0047	0.074
Strippingb2D0MuXKsKKDDCharmFromBSemiLine	438	0.0097	0.074
Strippingb2MuXLc2pKsLLCharmFromBSemiLine	61	0.0014	0.204
Strippingb2MuXLc2pKsDDCharmFromBSemiLine	186	0.0041	0.086
StrippingB2ppipiSigmacmm_Lcpi_PartReco_Line	9074	0.2016	0.801
StrippingB2ppipiSigmacmm_Lcpi_Closed_Line	245	0.0054	0.077
StrippingDstarPromptWithD02HHMuMuControlLine	1078	0.0240	1.345
StrippingDstarD2KShhKKLLLine	0	0.0000	0.000
StrippingDstarD2KShhKPLLLLine	1084	0.0241	0.633
StrippingDstarD2KShhPPLLLLine	0	0.0000	0.000
StrippingDstarD2KShhKKDDLLine	0	0.0000	0.000
StrippingDstarD2KShhKPDDLLine	2759	0.0613	1.372
StrippingDstarD2KShhPPDDLLine	0	0.0000	0.000
StrippingDstarPromptWithD02HHMuMuLine	1602	0.0356	3.433

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Line name	N evnts	Rate, %	ms/evt
StrippingB2ppipiSigmacmm_Lcpi_FULLDST_PartReco_Line	417	0.0093	0.381
StrippingB2ppipiSigmacmm_Lcpi_FULLDST_Closed_Line	245	0.0054	7.019
StrippingB2Xic2815Sc2455LineFullBMinusMissingLc	0	0.0000	6.781
StrippingB2Xic2815Sc2455LineFullBZeroMissingLc	0	0.0000	5.846
StrippingB2Xic2815Sc2455LineFullBMinusMissingXic	0	0.0000	0.413
StrippingB2Xic2815Sc2455LineFullBZeroMissingXic	0	0.0000	0.091
StrippingB2Xic2815Sc2455LinePartialBMinusMissingLc	2	0.0000	0.072
StrippingB2Xic2815Sc2455LinePartialBZeroMissingLc	10	0.0002	0.076
StrippingB2Xic2815Sc2455LinePartialBMinusMissingXic	523	0.0116	0.072
StrippingB2Xic2815Sc2455LinePartialBZeroMissingXic	637	0.0142	0.073
StrippingD2PiPi0_eegammaPromptLine	354	0.0079	4.996
StrippingD2PiPi0_eegammaSemiLeptonicLine	14	0.0003	0.173

Charmless

Bhadron

Line name	N evnts	Rate, %	ms/evt
StrippingB2TwoBaryonsB2PPbarLine	156	0.0035	4.353
StrippingButo5h_5pi_exclLine	211	0.0047	2.607
StrippingButo5h_K4pi_exclLine	721	0.0160	3.132

Line name	N evnts	Rate, %	ms/evt
StrippingB2KSKpiDDLLine	492	0.0109	2.170
StrippingB2KSKpiLLLine	540	0.0120	1.200
StrippingB2KSKpiLDLine	146	0.0032	1.881
StrippingB2KSKpiDDSameSignLine	185	0.0041	1.255
StrippingB2KSKpiLLSameSignLine	529	0.0118	0.702
StrippingB2KSKpiLDSameSignLine	185	0.0041	0.297

QEE

EW

Line name	N evnts	Rate, %	ms/evt
StrippingLowMultCEP_PHI2KK_line	3	0.0001	0.889
StrippingHighPtGammaLine	2281	0.0507	5.198
StrippingHighPtGammaLooseLine	1581	0.0351	0.046
StrippingLLP2MuXHighPTHHighIPMuonLine	1994	0.0443	0.567

RD

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingBLVLinesLa2KmuLine	715	0.0159	4.853
StrippingBLVLinesLb2KmuLine	308	0.0068	0.277
StrippingBLVLinesLb2DmuLine	242	0.0054	8.225
StrippingBLVLinesLb2DsmuLine	287	0.0064	9.036
StrippingBLVLinesB2LcmuLine	720	0.0160	5.817
StrippingBLVLinesLb2LcpiLine	270	0.0060	0.062
StrippingBLVLinesB2DpiLine	199	0.0044	0.060
StrippingBLVLinesBs2DspiLine	162	0.0036	0.058
StrippingLc23MuLinesLc23muLine	557	0.0124	0.134
StrippingLc23MuLinesLc2pKpiLine	277	0.0062	0.048
StrippingInflaton2MuMuLongLine	0	0.0000	0.000
StrippingInflaton2MuMuDownstreamLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bu2InflatonKLine	818	0.0182	1.071
StrippingInflaton2MuMu_Bs2InflatonPhiLine	145	0.0032	0.085
StrippingInflaton2MuMu_Bd2InflatonKstLine	933	0.0207	0.435
StrippingInflaton2MuMu_Bd2InflatonRhoLine	632	0.0140	0.279
StrippingInflaton2MuMu_Bu2InflatonKDnLine	8	0.0002	0.374
StrippingInflaton2MuMu_Bs2InflatonPhiDnLine	0	0.0000	0.050
StrippingInflaton2MuMu_Bd2InflatonKstDnLine	3	0.0001	0.057
StrippingInflaton2MuMu_Bd2InflatonRhoDnLine	1	0.0000	0.065

Leptonic

Line name	N evnts	Rate, %	ms/evt
StrippingInflaton2MuMuForMicroLongLine	2108	0.0468	0.451
StrippingInflaton2MuMuForMicroDownstreamLine	1164	0.0259	0.154
StrippingInflaton2MuMuForMicro_Bu2InflatonKLine	0	0.0000	0.000
StrippingInflaton2MuMuForMicro_Bs2InflatonPhiLine	0	0.0000	0.000
StrippingInflaton2MuMuForMicro_Bd2InflatonKstLine	0	0.0000	0.000
StrippingInflaton2MuMuForMicro_Bd2InflatonRhoLine	0	0.0000	0.000
StrippingInflaton2MuMuForMicro_Bu2InflatonKDnLine	0	0.0000	0.000
StrippingInflaton2MuMuForMicro_Bs2InflatonPhiDnLine	0	0.0000	0.000
StrippingInflaton2MuMuForMicro_Bd2InflatonKstDnLine	0	0.0000	0.000
StrippingInflaton2MuMuForMicro_Bd2InflatonRhoDnLine	0	0.0000	0.000

Radiative

Line name	N evnts	Rate, %	ms/evt
StrippingBd2eeKstarBDTLine	2060	0.0458	5.606
StrippingBd2eeKstarBDTLine2	1933	0.0430	3.095
StrippingB2PhiGammaConv_B2VG_Line	29	0.0006	2.954
StrippingB2RhoGamma_B2VG_Line	787	0.0175	1.295
StrippingB2KstarGammaConv_B2VG_Line	186	0.0041	0.415
StrippingLb2LGammaLb2LGammaLine	1776	0.0395	5.914

StrippingB2JpsiKGamma_B2VPG_Line	15	0.0003	0.099
StrippingBd2eeKstarLine	1141	0.0254	0.319

Semileptonic

Line name	N evnts	Rate, %	ms/evt
StrippingBu2MuNuLine	606	0.0135	0.111

SL

Line name	N evnts	Rate, %	ms/evt
StrippingB2DHHHwD2PiPiB2DHHHForBXXLine	1764	0.0392	1.847
StrippingLb2LcHHHwLc2KPiB2DHHHForBXXLine	1105	0.0246	1.414

Semileptonic

Line name	N evnts	Rate, %	ms/evt
StrippingLb2pMuNuLowq2Line	2169	0.0482	2.317
StrippingLb2pMuNuSSLowq2Line	671	0.0149	0.117
StrippingLb2pMuNuHighq2Line	2225	0.0494	0.223
StrippingLb2pMuNuSSHhighq2Line	935	0.0208	0.171
StrippingCharmFromBSemiForHadronAsy_B2DstarMuD0to3piRS	790	0.0176	3.872
StrippingCharmFromBSemiForHadronAsy_B2DstarMuD0to3piWS	354	0.0079	0.138
StrippingCharmFromBSemiForHadronAsy_B2DstarMuD0toK2piRS	737	0.0164	0.457
StrippingCharmFromBSemiForHadronAsy_B2DstarMuD0toK2piWS	336	0.0075	0.175
StrippingCharmFromBSemiForHadronAsy_LbToLcStarMuLcToKpiRS	219	0.0049	0.161
StrippingCharmFromBSemiForHadronAsy_LbToLcStarMuLcToKpiWS	254	0.0056	0.085
Strippingb2D0MuXFakeB2DMuForTauMuLine	1599	0.0355	0.329

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