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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_Run125113.py (3735138 events)

WG / Stream	Bhadron	BhadronCompleteEvent	Calibration	Charm	CharmCompleteEvent	Dimuon	EW	Leptonic	Semileptonic	Total, Mb/s	Time, ms/event
B2CC						1.17		0.01		1.18	19.3
B2OC	0.24	1.50								1.74	67.0
BandQ	0.04			0.09	0.12	0.55				0.79	26.4
Calib			0.10		0.10					0.20	21.0
Charm				0.87	0.35					1.22	53.2
Charmless	0.41	1.35								1.76	55.7
QEE		1.40					1.04			2.44	31.5
RD		0.53				0.97		0.04		1.54	79.9
SL				0.10					1.40	1.50	26.2
All	0.67	4.62	0.10	1.05	0.58	2.59	1.04	0.06	1.40	12.10	205.5

Lines in full DST streams with retention more than 0.05%

WG	Stream	Line name	N evnts	Rate, %
B2CC	Dimuon	StrippingBetaSPsi2SMuMu_InclPsi2SToMuMuDetachedLine	4304	0.0612
B2OC	BhadronCompleteEvent	StrippingPseudoDoubleTopoLine	8558	0.1216
BandQ	Dimuon	StrippingXibcX2JpsiProtonGoodPointing	3865	0.0549
Charmless	BhadronCompleteEvent	StrippingBetaSQ2B4piSelectionLine	8775	0.1247
Charmless	BhadronCompleteEvent	StrippingBetaSQ2B3piSelectionLine	7448	0.1058
QEE	BhadronCompleteEvent	StrippingBjets1B4jetLine	4256	0.0605
QEE	EW	StrippingLowMultCEP_D2KpPipPim_line	9860	0.1401
QEE	EW	StrippingLowMultCEP_D2KmPipPip_line	5727	0.0814
QEE	EW	StrippingLowMultCEP_ChiC2PiPiPiPi_line	4225	0.0600
QEE	EW	StrippingLowMultCEP_LMR2KPi_line	4989	0.0709
QEE	EW	StrippingLowMultCEP_LMR2PiPi_line	5847	0.0831
QEE	EW	StrippingWeJetsLine	4138	0.0588
SL	Semileptonic	StrippingB2XuMuNuBu2RhoSBLLine	5224	0.0742

B2CC

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingBetaSJpsi2MuMuLine	1091	0.0155	0.078
StrippingBetaSBs2JpsiPhiDetachedLine	2094	0.0298	0.063
StrippingBetaSBu2JpsiKPrescaledLine	1182	0.0168	0.218
StrippingBetaSBs2JpsiPhiPrescaledLine	1084	0.0154	0.377
StrippingBetaSBd2JpsiKstarPrescaledLine	799	0.0114	0.142
StrippingBetaSBd2JpsiKsPrescaledLine	625	0.0089	0.899
StrippingBetaSBs2JpsiEtaPrescaledLine	1692	0.0240	0.237
StrippingBetaSBs2JpsiEtapPrescaledLine	979	0.0139	0.112
StrippingBetaSPsi2SMuMu_InclPsi2SToMuMuLine	560	0.0080	0.242
StrippingBetaSPsi2SMuMu_InclPsi2SToMuMuDetachedLine	4304	0.0612	0.391

Leptonic

Line name	N evnts	Rate, %	ms/evt
StrippingBetaSBs2JpsiPhiMicroLine	2094	0.0298	9.779

B2OC

Bhadron

Line name	N evnts	Rate, %	ms/evt
StrippingB2D0KD2Pi0HHMergedBeauty2CharmLine	3670	0.0521	8.660
StrippingB2D0KD2Pi0HHResolvedBeauty2CharmLine	26186	0.3720	5.679
StrippingB2D0PiD2Pi0HHMergedBeauty2CharmLine	3302	0.0469	0.144
StrippingB2D0PiD2Pi0HHResolvedBeauty2CharmLine	23616	0.3355	0.749
StrippingB2D0DBeauty2CharmLine	10868	0.1544	5.159
StrippingLb2D0Lambda0DDD02HHBeauty2CharmLine	272	0.0039	1.141
StrippingLb2D0Lambda0LLD02HHBeauty2CharmLine	195	0.0028	1.214

BhadronCompleteEvent

Line name	N evnts	Rate, %	ms/evt
StrippingB02DDFULLDSTBeauty2CharmLine	1951	0.0277	1.824
StrippingB02DDUPFULLDSTBeauty2CharmLine	9	0.0001	2.484
StrippingB02D0D0D02K3PiUPFULLDSTBeauty2CharmLine	58	0.0008	7.941
StrippingB02D0PPbarD2HHFULLDSTBeauty2CharmLine	1448	0.0206	1.123
StrippingB2D0PiD2HHHHTIGHTBeauty2CharmLine	1887	0.0268	8.501
StrippingB2D0PiPiPiD2HHTIGHTBeauty2CharmLine	2525	0.0359	1.115
StrippingB2D0KD2KSPi0HHLLMergedBeauty2CharmLine	194	0.0028	0.314
StrippingB2D0KD2KSPi0HHDDMergedBeauty2CharmLine	30	0.0004	0.418
StrippingB2D0KD2KSPi0HHLLResolvedBeauty2CharmLine	1408	0.0200	1.710
StrippingB2D0KD2KSPi0HHDDRResolvedBeauty2CharmLine	562	0.0080	3.380
StrippingB2D0PiD2KSPi0HHLLMergedBeauty2CharmLine	161	0.0023	0.084
StrippingB2D0PiD2KSPi0HHDDMergedBeauty2CharmLine	27	0.0004	0.076
StrippingB2D0PiD2KSPi0HHLLResolvedBeauty2CharmLine	962	0.0137	0.121
StrippingB2D0PiD2KSPi0HHDDRResolvedBeauty2CharmLine	483	0.0069	0.101
StrippingPseudoDoubleTopoLine	8558	0.1216	8.221

BandQ

Bhadron

Line name	N evnts	Rate, %	ms/evt
StrippingBc3pppiForBc3h	1708	0.0243	11.256
StrippingBc3ppkForBc3h	673	0.0096	0.905
StrippingBc3piForBc3h	4639	0.0659	0.814
StrippingBc3kForBc3h	313	0.0044	0.708
StrippingBc3kpiForBc3h	4641	0.0659	0.132

Charm

Line name	N evnts	Rate, %	ms/evt
StrippingXicHHHTheta2PKS0Line	23193	0.3295	2.760

CharmCompleteEvent

Line name	N evnts	Rate, %	ms/evt
StrippingBetac2PhiPBetac2PhiPLine	1595	0.0227	1.976

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingXibcXibc2JpsiKp	2923	0.0415	0.599
StrippingXibcLb2JpsiKp	1413	0.0201	0.067
StrippingXibcX2JpsiProtonGoodPointing	3865	0.0549	0.131

Calib

Calibration

Line name	N evnts	Rate, %	ms/evt
StrippingBu2LcppipipiLc2KpiB2LcpXLc2KpiLine	1143	0.0162	11.682
StrippingBd2LcppipipiLc2KpiB2LcpXLc2KpiLine	5243	0.0745	0.064
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	13	0.0002	1.579
StrippingTrackEffMuonTT_ZLine2	12	0.0002	0.667
StrippingTrackEffMuonTT_BJpsiKLine1	0	0.0000	0.000
StrippingTrackEffMuonTT_BJpsiKLine2	0	0.0000	0.000

CharmCompleteEvent

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	509	0.0072	0.052
StrippingTriggerValidationD02KPi_NoRecoLine	635	0.0090	0.061

Charm

Charm

Line name	N evnts	Rate, %	ms/evt

StrippingD2KS0HPionLine	3337	0.0474	0.623
StrippingD2KS0HPionLineDD	9703	0.1379	2.002
StrippingD2XMuMu_KSSLLine	0	0.0000	0.000
StrippingD2XMuMu_KOSLine	0	0.0000	0.000
StrippingD2XMuMu_PiSSLLine	0	0.0000	0.000
StrippingD2XMuMu_PiOSLine	0	0.0000	0.000
StrippingD2XMuMu_PiCallLine	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	8747	0.1243	2.362
StrippingD2XMuMu_K3PiLine	4213	0.0599	1.013
StrippingD2XMuMu_PiPiPiPiLine	5430	0.0771	2.215
StrippingD2XMuMu_Lambdac2PMuMuLine	0	0.0000	0.000
StrippingD2XMuMu_Lambdac2PPiPiLine	0	0.0000	0.000
StrippingD2PiPi0_eegammaPiPi0PromptLine	14298	0.2031	8.428
StrippingD2PiPi0_eegammaKPi0PromptLine	8331	0.1184	2.063
StrippingD2PiPi0_eegammaPiEtaPromptLine	8129	0.1155	0.439
StrippingD2PiPi0_eegammaKEtaPromptLine	5112	0.0726	0.265
StrippingD2PiPi0_eegammaPiEtaPrimePromptLine	15234	0.2164	0.380
StrippingD2PiPi0_eegammaKEtaPrimePromptLine	12885	0.1831	0.233
StrippingD2PiPi0_eegammaSemiLeptonicLine	2968	0.0422	0.314
StrippingDstarToHHPi0_Kpipi0_R_Line	17751	0.2522	1.777

StrippingDstarToHHPi0_Kpipi0WS_R_Line	8536	0.1213	0.134
StrippingDstarToHHPi0_pipipi0_R_Line	15526	0.2206	0.287
StrippingDstarToHHPi0_KKpi0_R_Line	1883	0.0268	0.100
StrippingDstarToHHPi0_Kpipi0_M_Line	1582	0.0225	0.112
StrippingDstarToHHPi0_pipipi0_M_Line	804	0.0114	0.125
StrippingDstarToHHPi0_KKpi0_M_Line	106	0.0015	0.086
StrippingDstarToHHPi0_Kpipi0_R_WIDEMASS_Line	2551	0.0362	0.063
StrippingB2ppipiSigmaCmm_Lcpi_PartReco_Line	25061	0.3561	0.868
StrippingB2ppipiSigmaCmm_Lcpi_PartRecoWS_Line	19959	0.2836	0.061
StrippingB2ppipiSigmaCmm_Lcpi_Closed_Line_FourPart	806	0.0115	0.062
StrippingB2ppipiSigmaCmm_Lcpi_Closed_Line_FourPart_WS	688	0.0098	0.060
StrippingDstarPromptWithD02HHMuMuControlLine	17611	0.2502	4.255
StrippingDstarD0ToKsHHPi0_Kspipipi0_LLResolved_Line	769	0.0109	0.122
StrippingDstarD0ToKsHHPi0_Kspipipi0_DDResolved_Line	309	0.0044	0.095
StrippingDstarD0ToKsHHPi0_Kspipipi0_LLMerged_Line	86	0.0012	0.079
StrippingDstarD0ToKsHHPi0_Kspipipi0_DDmerged_Line	30	0.0004	0.080

CharmCompleteEvent

Line name	N evnts	Rate, %	ms/evt
StrippingB2ppipiSigmacmm_Lcpi_FULLDST_PartReco_Line	1227	0.0174	0.699
StrippingB2ppipiSigmacmm_Lcpi_FULLDST_PartRecoWS_Line	972	0.0138	0.660
StrippingB2ppipiSigmacmm_Lcpi_FULLDST_Closed_Line_FourPart	806	0.0115	12.143
StrippingB2ppipiSigmacmm_Lcpi_FULLDST_Closed_Line_FourPart_W	688	0.0098	0.205
Strippingb2D0MuXKsPiPiPi0MergedLLCharmFromBSemiLine	3	0.0000	1.190
Strippingb2D0MuXKsPiPiPi0MergedDDCharmFromBSemiLine	3	0.0000	1.542
Strippingb2D0MuXKsPiPiPi0ResolvedLLCharmFromBSemiLine	22	0.0003	0.303
Strippingb2D0MuXKsPiPiPi0ResolvedDDCharmFromBSemiLine	68	0.0010	0.574
Strippingb2DstarMuXKsPiPiPi0MergedLLCharmFromBSemiLine	0	0.0000	0.064
Strippingb2DstarMuXKsPiPiPi0MergedDDCharmFromBSemiLine	0	0.0000	0.062
Strippingb2DstarMuXKsPiPiPi0ResolvedLLCharmFromBSemiLine	9	0.0001	0.061
Strippingb2DstarMuXKsPiPiPi0ResolvedDDCharmFromBSemiLine	19	0.0003	0.062

Charmless

Bhadron

Line name	N evnts	Rate, %	ms/evt
StrippingBu2Kpi0ResolvedLine	20253	0.2878	19.755
StrippingBu2Kpi0MergedLine	23788	0.3380	0.193
StrippingLb2V0hDDLLine	1669	0.0237	4.500
StrippingLb2V0hLLLLine	1127	0.0160	4.753
StrippingLb2V0hhDDLLine	7833	0.1113	1.230
StrippingLb2V0hhLLLLine	4504	0.0640	0.797
StrippingB2XEtaB2etapKSLLLLine	7456	0.1059	5.313
StrippingB2XEtaB2etapKSDDLLine	5525	0.0785	3.313
StrippingB2XEtaB2eta3piKSLLLLine	9378	0.1332	0.707
StrippingB2XEtaB2eta3piKSDDLLine	4428	0.0629	0.243
StrippingB2XEtaLb2etapLLLLine	4036	0.0574	2.160
StrippingB2XEtaLb2etapLDDLLine	2398	0.0341	0.501
StrippingB2XEtaLb2eta3piLLLLine	4169	0.0592	0.380
StrippingB2XEtaLb2eta3piLDDLLine	2135	0.0303	0.146

BhadronCompleteEvent

Line name	N evnts	Rate, %	ms/evt
StrippingBetaSQ2B4piSelectionLine	8775	0.1247	1.429
StrippingBetaSQ2B3piSelectionLine	7448	0.1058	0.373
StrippingBs2Phif0Line	901	0.0128	2.789

QEE

BhadronCompleteEvent

Line name	N evnts	Rate, %	ms/evt
StrippingHighPtTopoJets10000	563	0.0080	0.030
StrippingHighPtTopoJets1000	411	0.0058	0.026
StrippingHighPtTopoJets20000_Cone55	268	0.0038	0.052
StrippingBjetsDoubleTopoLinePS	290	0.0041	0.029
StrippingBjets2B4jetLine	2396	0.0340	0.504
StrippingBjets2B3jetLine	2972	0.0422	0.063
StrippingBjets1B4jetLine	4256	0.0605	2.243
StrippingBjets1B2jethighLinePS	550	0.0078	0.045
StrippingBjets1B2jetlowLinePS	593	0.0084	0.041

EW

Line name	N evnts	Rate, %	ms/evt
StrippingLowMultCEP_D2KpPipPim_line	9860	0.1401	1.511
StrippingLowMultCEP_D2KmPipPip_line	5727	0.0814	0.059
StrippingLowMultCEP_ChiC2KK_line	849	0.0121	0.055
StrippingLowMultCEP_ChiC2PiPi_line	2866	0.0407	0.055
StrippingLowMultCEP_ChiC2KpKpPimPim_line	734	0.0104	0.055
StrippingLowMultCEP_ChiC2KpKmPipPim_line	2136	0.0303	0.054
StrippingLowMultCEP_ChiC2KKKK_line	143	0.0020	0.054
StrippingLowMultCEP_ChiC2PiPiPiPi_line	4225	0.0600	0.056
StrippingLowMultCEP_D0D0_line	0	0.0000	0.056
StrippingLowMultCEP_D0D0bar_line	0	0.0000	0.054
StrippingLowMultCEP_DpDm_line	0	0.0000	0.053

StrippingLowMultCEP_D0Dp_line	0	0.0000	0.053
StrippingLowMultCEP_DpDp_line	0	0.0000	0.051
StrippingLowMultCEP_KpKm_line	3226	0.0458	0.041
StrippingLowMultCEP_KpKp_line	468	0.0066	0.038
StrippingLowMultCEP_LMR2KPi_line	4989	0.0709	0.042
StrippingLowMultCEP_LMR2KK_line	1580	0.0224	0.041
StrippingLowMultCEP_LMR2PiPi_line	5847	0.0831	0.041
StrippingLowMultCEP_ChiC2KKWS_line	14	0.0002	0.040
StrippingLowMultCEP_ChiC2PiPiWS_line	92	0.0013	0.040
StrippingLowMultCEP_ChiC2KpKpPipPipWS_line	3	0.0001	0.040
StrippingLowMultCEP_ChiC2KpKpPipPimWS_line	43	0.0006	0.039
StrippingLowMultCEP_ChiC2KpKmPipPipWS_line	78	0.0011	0.039
StrippingLowMultCEP_ChiC2KKKKWS_line	1	0.0000	0.040
StrippingLowMultCEP_ChiC2PiPiPiWS_line	189	0.0027	0.040
StrippingWMuJetsLine	2893	0.0411	9.209
StrippingSbarSCorrelationsPhiLine	1052	0.0149	0.048
StrippingSbarSCorrelationsF2Line	26	0.0004	0.105
StrippingSbarSCorrelationsLambdaCplusLine	618	0.0088	0.056
StrippingSbarSCorrelationsLambdaCminusLine	612	0.0087	0.059
StrippingWeJetsLine	4138	0.0588	9.454

RD

BhadronCompleteEvent

Line name	N evnts	Rate, %	ms/evt
StrippingB2XTau_DPi_TOSLine	1931	0.0274	0.708
StrippingB2XTau_DPi_TISLine	1175	0.0167	0.634
StrippingB2XTau_DPi_SameSign_TOSLine	1259	0.0179	0.587
StrippingB2XTau_DPi_SameSign_TISLine	1086	0.0154	0.537

Dimuon

Line name	N evnts	Rate, %	ms/evt
StrippingB2XMuMu_Line	2214	0.0315	8.919
StrippingB2XMuMu_HadronicLine	2636	0.0375	13.337
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	2684	0.0381	3.838
StrippingInflaton2MuMu_Bd2InflatonRhoLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bu2InflatonKDnLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bs2InflatonPhiDnLine	0	0.0000	0.000
StrippingInflaton2MuMu_Bd2InflatonKstDnLine	19	0.0003	0.557
StrippingInflaton2MuMu_Bd2InflatonRhoDnLine	0	0.0000	0.000
StrippingRareStrangeSigmaPMuMuLine	1507	0.0214	1.738
StrippingRareStrangeSigmaPEELine	1382	0.0196	3.524
StrippingRareStrangeSigmaPMuMuLFVLine	189	0.0027	0.079
StrippingRareStrangeK3PiLine	0	0.0000	0.000

Leptonic

Line name	N evnts	Rate, %	ms/evt
StrippingB2PhiGamma_B2VG_Line	759	0.0108	1.326
StrippingB2KstarGamma_B2VG_Line	3611	0.0513	0.331
StrippingBu2LLK_eeLine	907	0.0129	28.094
StrippingBu2LLK_eeLine2	861	0.0122	5.074
StrippingBu2LLK_mmLine	2499	0.0355	1.748
StrippingBu2LLK_meLine	1851	0.0263	1.538

SL

Charm

Line name	N evnts	Rate, %	ms/evt
StrippingPhiToKSKS_PhiToKKLine	411	0.0058	0.059
StrippingPhiToKSKS_PhiToKsKs_LLLLLLine	511	0.0073	2.479
StrippingPhiToKSKS_PhiToKsKs_LLDDLine	2058	0.0292	0.446
StrippingPhiToKSKS_JPsiToKKLine	888	0.0126	0.124
StrippingPhiToKSKS_JPsiToKsKs_LLLLLLine	1075	0.0153	0.077
StrippingPhiToKSKS_JPsiToKsKs_LLDDLine	3421	0.0486	0.070
Strippingb2D0MuXB2DMuNuXLine	10918	0.1551	0.661
StrippingDstarOfb2D0MuXB2DMuNuXLine	3588	0.0510	0.054
Strippingb2DsPi_PhiPi_fakesB2DMuNuXLine	3948	0.0561	1.979

Semileptonic

Line name	N evnts	Rate, %	ms/evt
StrippingB2XuMuNuBs2KLine	2423	0.0344	11.109
StrippingB2XuMuNuBs2KSSLLine	3286	0.0467	0.302
StrippingB2XuMuNuBu2RhoLine	3035	0.0431	0.694
StrippingB2XuMuNuBu2RhoWSLine	1825	0.0259	0.247
StrippingB2XuMuNuBu2RhoSBLLine	5224	0.0742	0.412
StrippingB2XuMuNuBu2KshSSMu_SSMuminusLine	3015	0.0428	0.389
StrippingB2XuMuNuBu2KshOSMu_SSMuplusLine	3006	0.0427	0.224

I	Attachment	Action	Size	Date	Who	Comment
	Table_S20r0p2_Test5.png	manage	105.5 K	16-Sep-2013 - 15:21	StefanoPerazzini	

Topic revision: r1 - 16-Sep-2013 - [StefanoPerazzini](#)

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