TABLE I: Available HLT bandwith is 150 Hz = ((1 GB/s / 3) - 100 MB/s for AlCa triggers) / 1.5 MB/event. L1 bandwidth is 12 kHz.

HLT for L = 8.0e+29							
Path Name	**L1 condtition**	**L1 Prescale**	**HLT Prescale**	**HLT Rate [Hz]**	**Total Rate [Hz]**	**Avg. Size [MB]**	**Total Throughput [MB/s]**
HLT_L1MuOpen	†	1,1,1	10	10.81 ± 0.27	10.81	1.50	16.22
HLT_L1Mu	*L1_SingleMu7 OR L1_DoubleMu3*	1,1	5	2.08 ± 0.10	12.67	1.50	19.01
HLT_L2Mu9	*L1_SingleMu7*	1	1	1.31 ± 0.06	13.57	1.50	20.36
HLT_Mu3	*L1_SingleMu3*	1	1	12.37 ± 0.27	23.78	1.50	35.67
HLT_Mu5	*L1_SingleMu5*	1	1	4.06 ± 0.14	23.78	1.50	35.67
HLT_DoubleMu3	*L1_DoubleMu3*	1	1	0.06 ± 0.01	23.78	1.50	35.67
HLT_Ele10_SW_L1R	*L1_SingleEG8*	1	1	6.12 ± 0.22	29.82	1.50	44.73
HLT_Ele15_SW_L1R	*L1_SingleEG10*	1	1	2.01 ± 0.13	29.82	1.50	44.73
HLT_DoubleEle10_LW_OnlyPixelM_L1R	*L1_DoubleEG5*	1	1	1.60 ± 0.11	30.71	1.50	46.06
HLT_DoubleEle5_SW_L1R	*L1_DoubleEG5*	1	1	1.19 ± 0.10	31.07	1.50	46.61
HLT_Photon15_L1R	*L1_SingleEG10*	1	1	9.14 ± 0.27	37.51	1.50	56.27
HLT_IsoPhoton10_L1R	*L1_SingleEG8*	1	1	5.37 ± 0.21	41.73	1.50	62.59
HLT_L1Jet15	*L1_SingleJet15*	25	10	18.33 ± 0.39	59.94	1.50	89.91
HLT_Jet30	*L1_SingleJet15*	25	1	15.31 ± 0.35	73.12	1.50	109.68
HLT_Jet50	*L1_SingleJet30*	1	5	6.45 ± 0.23	77.99	1.50	116.99
HLT_Jet80	*L1_SingleJet50*	1	1	3.66 ± 0.17	79.95	1.50	119.93
HLT_FwdJet20	*L1_IsoEG10_Jet15_ForJet10*	1	1	1.42 ± 0.11	80.64	1.50	120.96
HLT_DiJetAve30	*L1_SingleJet30*	1	1	15.89 ± 0.35	88.59	1.50	132.88
HLT_L1MET20	*L1_ETM20*	50	1	7.17 ± 0.24	95.37	1.50	143.06
HLT_MET35	*L1_ETM30*	1	1	2.60 ± 0.14	96.74	1.50	145.11
HLT_LooseIsoTau_MET30	*L1_SingleTauJet80*	1	1	0.22 ± 0.04	96.74	1.50	145.11
HLT_LooseIsoTau_MET30_L1MET	*L1_TauJet30_ETM30*	1	1	1.37 ± 0.10	97.02	1.50	145.53
HLT_DoubleLooseIsoTau	*L1_DoubleTauJet40*	1	1	13.05 ± 0.32	104.82	1.50	157.24
HLT_ZeroBias	*L1_ZeroBias*	25	500	4.82 ± 0.20	109.64	1.50	164.46
HLT_MinBiasHcal	‡	—	250	3.48 ± 0.17	113.08	1.50	169.62
HLT_MinBiasEcal	*L1_SingleEG2 OR L1_DoubleEG1*	25,25	250	4.05 ± 0.18	117.08	1.50	175.62
HLT_MinBiasPixel	*L1_ZeroBias*	25	500	3.16 ± 0.16	120.21	1.50	180.31
HLT_MinBiasPixel_Trk5	*L1_ZeroBias*	25	50	3.64 ± 0.17	123.79	1.50	185.69
HLT_CSCBeamHalo	*L1_SingleMuBeamHalo*	1	1	8.39 ± 0.26	131.50	1.50	197.25
HLT_CSCBeamHaloOverlapRing1	*L1_SingleMuBeamHalo*	1	1	0.21 ± 0.04	131.50	1.50	197.25
HLT_CSCBeamHaloOverlapRing2	*L1_SingleMuBeamHalo*	1	1	0.00 ± 0.00	131.50	1.50	197.25
HLT_CSCBeamHaloRing2or3	*L1_SingleMuBeamHalo*	1	1	0.78 ± 0.07	131.50	1.50	197.25
HLT_BackwardBSC	*38 OR 39*	1	1	0.00 ± 0.00	131.50	1.50	197.25
HLT_ForwardBSC	*36 OR 37*	1	1	0.00 ± 0.00	131.50	1.50	197.25
HLT_TrackerCosmics	*24 OR 25 OR 26 OR 27 OR 28*	1	1	0.00 ± 0.00	131.50	1.50	197.25
AlCa_IsoTrack	◇	—	1	7.51 ± 0.25	137.78	0.21	198.59
AlCa_EcalPhiSym	△	—	1	4116.52 ± 6.05	4215.04	0.00	202.67
AlCa_EcalPi0	▽	—	1	63.12 ± 0.71	4258.53	0.01	202.98
Total Physics HLT rate (Hz), AlCa triggers not included							131.50 ± 1.01
Total Physics HLT throughput (MB/s), AlCa triggers not included							197.25 ± 1.23

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Path Name	L1 condtition	L1 Prescale	HLT Prescale	HLT Rate [Hz]	Total Rate [Hz]	Avg. Size [MB]	Total Throughput [MB/s]
Total HLT rate (Hz)							4258.53 ± 6.14
Total HLT throughput (MB/s)							202.98 ± 1.25

†:L1_SingleMuOpen or L1_SingleMu3 or L1_SingleMu5

‡:L1_SingleJetCountsHFTow or L1_DoubleJetCountsHFTow or L1_SingleJetCountsHFRing0Sum3 or L1_DoubleJetCountsHFRing0Sum3 or L1_SingleJetCountsHFRing0Sum6 or L1_DoubleJetCountsHFRing0Sum6

◇:L1_SingleJet30 or L1_SingleJet50 or L1_SingleJet70 or L1_SingleJet100 or L1_SingleTauJet30 or L1_SingleTauJet40 or L1_SingleTauJet60 or L1_SingleTauJet80

△: L1_ZeroBias or L1_SingleJetCountsHFTow or L1_DoubleJetCountsHFTow or L1_SingleEG2 or L1_DoubleEG1 or L1_SingleJetCountsHFRing0Sum3 or L1_DoubleJetCountsHFRing0Sum3 or L1_SingleJetCountsHFRing0Sum6 or L1_DoubleJetCountsHFRing0Sum6

∇:L1_SingleIsoEG5 or L1_SingleIsoEG8 or L1_SingleIsoEG10 or L1_SingleIsoEG12 or L1_SingleIsoEG15 or L1_SingleIsoEG20 or L1_SingleIsoEG25 or L1_SingleEG5 or L1_SingleEG8 or L1_SingleEG10 or L1_SingleEG12 or L1_SingleEG15 or L1_SingleEG20 or L1_SingleEG25