

				global_CMT-9.00 v2.0 wish list					date 10/1/2002					40	40	40	40	
index	prio	group	trigger name	L1 trigger	L2 filter	L3 filter	L1 xs (ub)	L2 rej	L3 rej	L3xs (ub)	prescale	L1 rate	L2rate	L3 rate	Comments			
1	f->0.5	L	min_bias	Afastz			35100	1	1	35100	2800000	0.50	0.50	0.50				
2	f->0.5	L	zero_bias	ALiveBX				1	1		3400001	0.50	0.50	0.50				
3	p->m	EW EM	2EM_JPSI	CEM(2,2.5eta1.6)		ele(2,2.5)	65	1	12	5.42	1000000	0.00	0.00	0.00	check if still affected by L1Cal noise			
4	p->m	B EM	2EM_JPSI_TRK			ele(2,2.5)trk(2,2.5)	65	1	31	2.10	#			0.00	check if still affected by L1Cal noise			
5	p->m	EM	3EM_MN	CEM(3,2.5eta1.6)		ele(2,2.5)	11	1	5.5	2.00	1000000	0.00	0.00	0.00	check if still affected by L1Cal noise			
6	p->m	EM	3EM_MN_TRK			trk(2,2.5)	11	1	2	5.50	#			0.00	check if still affected by L1Cal noise			
7	l	JES	?	CEM(1,2.5,????)		ele(1,5,sh)								0.25	L1 rate?? L1 term?			
7	l	EW JES	EM_LO	CEM(1,5)		ele(1,10.)	65	1	13	5.00		829	3.14	3.14	0.24			
8	l	JES	EM_LO_SH			ele(1,7.,sh)	65	1	11	5.91	#				0.29			
9	l		CEM5_2CJT5	CEM(1,5)CJT(2,5)			8	1	1	8.00	1000000	0.00	0.00	0.00	x			
10	m->u	EW NP	2EM_2MD7	CEM(2,5)	L2 filter ?	ele(2,7.)	4.2	1	19	0.22		40	4.20	4.20	0.22	Cannot go to Ultra w/o additional rejection		
11	u	EM EW	EM_HI_2EM5_EMFR8	CEM(2,5)*2	L2 filter ?	ele(1,50.,nocut)												
12	u	EM EW NP	EM_HI_2EM5		EM(1,12,0.8)	ele(1,40.,vl)	4.2	1.3	107	0.03		1	168.00	129.23	1.21	add L2EM(1,12,0.8)		
13	u	EM EW	EM_HI_2EM5_SH		EM(1,12,0.8)	ele(1.,30.)	4.2	1.3	64	0.05	#				2.02	add L2EM(1,12,0.8)		
14	u	EM EW	EM_HI_2EM5_SH_TR		EM(1,12,0.8)	ele(1,20.,sh)	4.2	1.3	40	0.08	#				3.23	add L2EM(1,12,0.8)		
15	u	EM EW NP	EM_HI_2EM5_TR		EM(1,12,0.8)	ele(1,12.,sh)trk(1,12.)	4.2	1.3	165	0.02	#				0.78	add L2EM(1,12,0.8)		
16	u	EM EW NP	EM_HI_2EM5_TR		EM(1,12,0.8)	trk(1,25.)	4.2	1.3	62	0.05	#				2.08	add L2EM(1,12,0.8)		
17	u	EM EW JES	EM_HI_EMFR8	CEM(1,10)	EM(1,12,0.8)	ele(1,40.,vl)	4.7	1.3	111	0.03		1	188.00	144.62	1.30	add L2EM(1,12,0.8)		
18	u	EM EW NP JES	EM_HI		EM(1,12,0.8)	ele(1.,30.)	4.7	1.3	56	0.06	#				2.58	add L2EM(1,12,0.8)		
19	u	EM EW NP JES	EM_HI_SH		EM(1,12,0.8)	ele(1,20.,sh)	4.7	1.3	25	0.14	#				5.78	add L2EM(1,12,0.8)		
20	u	EM EW NP	EM_HI_SH_TR		EM(1,12,0.8)	ele(1,12.,sh)trk(1,12.)	4.7	1.3	102	0.04	#				1.42	add L2EM(1,12,0.8)		
21	u	EM EW	EM_HI_TR		EM(1,12,0.8)	trk(1,25.)	4.7	1.3	67	0.05	#				2.16	add L2EM(1,12,0.8)		
22	e	JES	EM_HI_L2	CEM(1,10)*2	EM(1,12,0.8)	ele(1,50.,nocut)												
23	m?	JES	EM_HI_?	CEM(1,10)*3	em(1,11,0.8)	ele(1,30.)	4.8	1.2	33	0.12	1000000	0.00	0.00	0.00	x			
24	m?	NP	2EM_MD10_CEM10	CEM(2,5)CEM(1,10)	em(1,12,0.8)	ele(1,12.,sh)	4.8	1.3	20	0.18		10	19.20	14.77	0.74	rate guess		
25	l	NP	EM_MD_2CJT5	CEM(1,10)CJT(2,5)	L2 filter?	ele(1,10.)	1.4	1	2	0.70		28	2.00	2.00	1.00	change L3->ele(2,10,sh), add L2 from CEM(
26	u	TOP H NP	EM15_2JT15	CEM(1,10)CJT(2,5)*2		ele(1,10.)	2	1	2.2	0.91		150	0.53	0.53	0.24			
27	m->h	EW	2TAU_EM10_2CJT5	CEM(1,10)CJT(2,5)*2	em(1,10,0.85)jt(2,10)	ele(1,15.,sh)jt(2,15.)	2	1.6	7	0.18		1	80.00	50.00	7.14	add L2EM(1,12,0.8)		
28	l		CEM10_2CJT7	CEM(1,10)CJT(2,7)	L2 filter?	ele(1,10.)tau(2,10.)	2	1	4.2	0.48		7	11.43	11.43	2.72	modify - add under CEM(1,10) if u		
29	u	EM TOP NP H	2EM_HI	CEM(2,10)			1.3	1	1	1.30	1000000	0.00	0.00	0.00	x			
30	u	EM JES	EM_MX_EMFR8	CEM(1,15)		ele(1,40.,vl)	0.6	1	1	0.60	1000000	0.00	0.00	0.00	x			
31	u	EM JES	EM_MX			ele(1,20.)	0.5	1	1	0.50	1000000	0.00	0.00	0.00	x			
32	u	EM JES	EM_MX_SH			ele(1,15.,sh)												
33	u	EM JES	EM_MX_SH_TR			ele(1,12.,sh)trk(1,12.)	0.3	1	2	0.15		1	12.00	12.00	6.00	***WRONG RATES ** Is TOP happy?		
34	u	EM	EM_MX_TR			ele(1,40.,vl)	1	1	24	0.04		1	40.00	40.00	1.67	keep as backup, add L2EM		
35	u	EM	?			ele(1,30.)	1	1	13	0.08	#				3.08	keep as backup, add L2EM		
36	u	EM	?			ele(1,20.,sh)	1	1	6	0.17	#				6.67	keep as backup, add L2EM		
37	u	EM	?			ele(1,12.,sh)trk(1,12.)												
38	f.5->l	Q NP	JT_25TT_NG	CJT(2,5)	L2 filter?	trk(1,25.)	1	1	32	0.03	#				1.25	keep as backup, add L2EM		
39	f.5->l	Q	JT_45TT			ele(1,50.,nocut)	10	1	2.8	3.57		500	0.80	0.80	0.29			
40	e		JT_45TT_L2	CJT(2,5)*2		jt(1,25.)	10	1	29	0.34	#				0.03			
41	m->l	Q NP	JT_65TT	CJT(3,5)		jt(1,30.)	10	8.6	4.4	0.26	1000000	0.00	0.00	0.00	x			
42	m		JT_50TT_JT_65PV	CJT(3,5)*2		jt(1,45.)	2.6	1	53	0.05		8	13.00	13.00	0.25	add L2JET(1,30?)		
43	h->u	Q	JT_95TT	CJT(4,5)		jt(1,65.)	2.6	1	62	0.04	1000000	0.00	0.00	0.00	x			
44	h		JT_70TT_JT_95PV	CJT(4,5)		jt(1,50)jt(1,65.,pv)	0.83	1	133	0.01		1	33.20	33.20	0.25	add L2JET(1,50?)		
45	h->u	TOP	4JT10	CJT(4,5)*2		jt(1,95.)	0.83	1	143	0.01	#				0.00	x		
46	u	Q	JT_125TT	CJT(4,7)		jt(3,8.)HT(90)	0.83	3.4	2	0.12		1	33.20	9.76	4.88			
47	n		JT_95TT_JT_125PV	CJT(4,7)		jt(4,10.)jet(2,20)	0.2	1	143	0.00		1	8.00	8.00	0.06	add L2JET(1,70?)		
48	m->u	H NP	3JT15	CJT(3,7) **replace ** CJT(3,5)		jt(1,125.)	0.2	1	155	0.00	#				0.00	x		
49	e		MU_C_L2M0_L3L0	mu1ptxcbx_fz	mu(1,med.0)	mu(1,ls.0)	2.6	1.7	3.5	0.44		1	104.00	61.18	17.48	change CJT(3or4,5)L2J(3,8)L3J(3,15)		
50	e		MU_F_L2M0_L3L0	mu1ptxcbx_fz	mu(1,med.0)	mu(1,ls.0)	15	4.6	1.1	2.96	10000000	0.00	0.00	0.00	download			
51	h		MU2ptxbtxx_fz	mu2ptxbtxx_fz	mu(1,med.0)	mu(1,ls.0)	12	2.1	1	5.71	10000000	0.00	0.00	0.00	download			
52	h		2MU_B_L2M0	mu2ptxbtxx_fz	mu(1,med.0)	mu(1,med.0)	0.1	1	1	0.10	10000000	0.00	0.00	0.00	download			
53	h		mu2ptxbtxx_fz	mu2ptxbtxx_fz	mu(1,med.0)	mu(1,med.0)	0.1	2.4	1	0.04	10000000	0.00	0.00	0.00	x			
54	h		mu2ptxbtxx_fz	mu2ptxbtxx_fz			0.2	1	1	0.20	10000000	0.00	0.00	0.00	download			

50	h		2MU_C_L2M0	mu2ptxcctx_fz*2	mu(1,med,0.)				0.2	4	1	0.05	10000000	0.00	0.00	0.00	x			
51	l	EW	MU_W_L2M0	mu1ptxwbx_fz	mu(1,med,0.)				18	4.3	1	4.19	10000000	0.00	0.00	0.00	replace w/ 57+59			
52	l	EW	MU_W_L2M0_L3L0		mu(1,med,0.)	mu(1,ls,0.)			18	4.3	1.1	3.81	#				0.00	replace w/ 57+59		
53	h	EW NP	MU_W_L2M5_TRK10	mu1ptxwbx_fz*2	mu(1,med,5.)	trk(1,10.)			23	11	63	0.03	16	57.50	5.23	0.08				
54	h	B	MU_W_L2M0_TRK3	mu1ptxwbx_fz*3	mu(1,med,0.)	trk(1,3.)			23	5	2.7	1.70	28	32.86	6.57	2.43		combine w/ 56		
55	u	TOP	MU_A_EM10	mu1ptxwbx_CEM(1,5)		em(1,10.)			0.23	1	8.5	0.03	1	9.20	9.20	1.08		"WRONG TATES" changed W to A,		
56	h	B NP	MU_W_L2M0_2TRK3	mu1ptxwbx_fz*4	mu(1,med,0.)	trk(2,3.)			23	5	11	0.42	16	57.50	11.50	1.05		combine w/ 54		
57	l	TOP B* EW	mu1ptxatxx_fz	mu1ptxatxx_fz					33	1	1	33.00	5000	0.26	0.26			0.26	shall we remove_fz?	
58	l	EW	MU_A_L3L0			mu(1,ls,0.)			33	1	2	16.50	#					0.13	remove, keep 57	
59	m->l	EW	MU_A_L2M0_L3L0	mu1ptxatxx_fz*2	mu(1,med,0.)	mu(1,ls,0.)			34	3.8	1.1	8.13	1500	0.91	0.24	0.22				
60	h->?	EW NP	MU_A_L2M5_L3L0	mu1ptxatxx_fz*3	mu(1,med,5.)	mu(1,ls,0.)			34	11.5	1.1	2.69	500	2.72	0.24	0.22				
61	l	EW	2MU_A_2L2	mu1ptxatxx_fz*4	mu(2,eta-phi)				34	18	1	1.89	300	4.53	0.25	0.25				
62	h		mu2ptxwbx_fz	mu2ptxwbx_fz					0.2	1	1	0.20	10000000	0.00	0.00	0.00			download	
63	h		2MU_W_L2M0	mu2ptxwbx_fz*2	mu(1,med,0.)				0.2	3.4	1	0.06	10000000	0.00	0.00	0.00			x	
64	h		2MU_W_L2M0_2TRKL		mu(1,med,0.)	trk(2,1.5)			0.2	3.4	1.9	0.03	#						0.00	x
65	h->m	B NP	mu2ptxatxx_fz	mu2ptxatxx_fz					0.4	1	1	0.40	18	0.89	0.89	0.89			0.89	add L2MU(1,med,0)?
66	h		2MU_A_L3L0			mu(1,ls,0.)			0.4	1	1.9	0.21	#						0.47	x
67	u	TOP B EW NP	2MU_A_L2M0	mu2ptxatxx_fz*2	mu(1,med,0.)				0.4	3.1	1	0.13	1	16.00	5.16	5.16				
68	n->l	B	2MU_A_L2M0_L3L0		mu(1,med,0.)	mu(1,ls,0.)			0.4	3.1	1.1	0.12	#						4.69	redundant
69	h->l	TOP EW NP	mu1ptxatxx_CEM5	mu1ptxatxx_CEM(1,5)					0.35	1	1	0.35	60	0.23	0.23	0.23				
70	h->u	EW	MU_EM_L2M0_L3L0	mu1ptxatxx_CEM(1,5)*2	mu(1,med,0.)	mu(1,ls,0.)			0.35	2.2	1.1	0.14	1	14.00	6.36	5.79				
71	l	NP	MU_A_CJT5	mu1ptxatxx_CJT(1,5)	mu(1,med,0.)				0.6	1.7	1	0.35	10000000	0.00	0.00	0.00			0.00	combine w/ 72 (deleted in 8.3)
72	l	B TOP NP	mu1ptxatxx_CJT5	mu1ptxatxx_CJT(1,5)*2					0.6	1	1	0.60	100	0.24	0.24	0.24			0.24	combine w/ 71, if monitor trig. use 57?
73	h	EW	MU_TAU10_L2L0	mu1ptxatxx_CJT(1,5)*3	mu(1,ls,0.)	tautrk(1,10.)			0.6	1.2	1.7	0.29	4	6.00	5.00	2.94			2.94	combine 71,73 & 79,80 w/ branch @ L3?
74	m		2EM_MN_MU_L2M0	mu1ptxatxx_CEM(2,2.5eta1.6)	mu(1,med,0.)	em(2,2.5[eta1.5])			0.3	1.5	10	0.02	10000000	0.00	0.00	0.00			0.00	x
75	m		2EM_MN_L2M0_TRK	mu1ptxatxx_CEM(2,2.5eta1.6)*2		trk(2,2.5)			0.3	1	1.9	0.16	10000000	0.00	0.00	0.00			0.00	x
76	e		mu1ptxcixx_fz	mu1ptxcixx_fz					1890	1	1	1890	10000000	0.01	0.01	0.01			0.01	download
77	u	B NP	2MU_C_2L2_TRKLO	mu2ptxcixx_fz	mu(2,eta-phi)	trk(1,1.5)			2	8.6	1.7	0.14	1	80.00	9.30	5.47				
78	f.5->l	B EW	2MU_CA_2L2L_2TRK	mu2ptxcixx_fz	mu(2,eta-phi)	trk(2,1.5)			106	9.4	3.5	3.22	200	21.20	2.26	0.64				
79	u	TOP B NP H	MU_JT20_L2M0	mu1ptxatxx_CJT(1,5)*4	mu(1,med,0.)	jt(1,20.)			0.6	1.6	2.8	0.13	1	24.00	15.00	5.36				
80	u	B	MU_2TRK3_L2M0		mu(1,med,0.)	trk(2,3.)			0.6	1.6	2.7	0.14	#						5.56	
81	f->0.5	L	zero_bias*2	ALiveBX*2					112000	1	1	112000	9000000	0.50	0.50	0.50				
82	e.05	Q	zero_bias_GapN	ALiveBX_ALMNorth[v]					46700	1	1	46700	70040012	0.03	0.03	0.03				
83	f.5->l	Q	JT_25TT_GAPN	CJT(2,5)_ALMNorth[v]		jt(1,25)			0.07	1	2.8	0.03	2	1.40	1.40	0.50				
84	e.05	Q	zero_bias_GapS	ALiveBX_ALMSouth[v]					47100	1	1	47100	70720016	0.03	0.03	0.03				
85	f.5->l	Q	JT_25TT_GAPS	CJT(2,5)_ALMSouth[v]		jt(1,25)			0.7	1	2.8	0.25	20	1.40	1.40	0.50				
86	e.05	Q	zero_bias_GapSN	ALiveBX_ALMSouth[v]_ALMNorth[v]					34680	1	1	34680	52020007	0.03	0.03	0.03				
87	f.5->m	Q	JT_25TT_GAPSN	CJT(2,5)_ALMSouth[v]_ALMNorth[v]		jt(1,25)			0.01	1	2	0.01	1	0.40	0.40	0.20				
				simple sum										1054.00	621.00	123.00				
				measured total																
				EM										188.00	144.62	6.67				
				EM+jet										80.00	50.00	7.14				
				jet										104.00	61.18	17.48				
				single+di-muon										80.00	11.50	5.47				
				mu+jet										24.00	15.00	5.56				
														476.00	282.29	42.32				
88	l	TOP		CJT(1,5)																monitor trigger
89	l	TOP		CEM(1,5)																monitor trigger
90	l	TOP		CEM(1,10)CJT(2,5)																monitor trigger
91	l	TOP		mu2ptxatxx_fz																monitor trigger
92	l	TOP		CJT(4,5)																monitor trigger
93	f.25	MU		mu1ptxatxx																monitor trigger
94	f.25	MU		mu1ptxatxx	mu(1,ls,0.)															monitor trigger
95	l	B	MU_A_L2L0_L3L0																	monitor trigger
96	l	B	MU_A_L2L0_L3L0_TRK																	monitor trigger
97	l	B	MU_A_L2M0_L3L0																	monitor trigger
98	m->u	TOP H NP	3JT15	CJT(3,7) **replace** CJT(4,5) ****jt(3,8)	jt(3,15.)				0.83	1.7	3.5	0.14	1	33.20	19.53	5.58			5.58	change CJT(3or4,5)L2J(3,8)L3J(3,15)