Cuts and Parameters

Cut	Units	Type	Range	Step	Default	Level	Comment
NUMBER	None	integer	1-4	1	1	1, 2	
ET	GeV	float	0.0-999.	0.5	none	1, 2	For SUMET, MET, L2 Electron, Photon, Jet
ET_TOTAL	GeV	float	0.0-999.	0.5	none	2	For L2 ClusterSum
SUMET_THRESH_CENTRAL	GeV	float	0.5-1.0	0.5	1.0	1	
SUMET_THRESH_PLUG	GeV	float	0.5-1.0	0.5	1.0	1	
ET_CENTRAL	GeV	float	0.0-999.	0.5	none	1	At L1 999 means no trigger in this region
ET_PLUG	GeV	float	0.0-999.	0.5	none	1	At L1 999 means no trigger in this region
HAD_EM_CENTRAL	None	float	0.-1.	0.005	0.125	1	0.0 means no HAD/EM cut
HAD_EM_PLUG	None	float	0.-1.	0.005	0.125	1	0.0 means no HAD/EM cut
HAD_EM	None	float	0.-1.	0.005	0.125	2	0.0 means no HAD/EM cut
XFT_PT	GeV/c	float	1.5-192.		none	1, 2	
XFT_PT2	GeV/c	float	-1.0-192.0		none	1, 2	-1.0 means no cut
XFT_LAYERS	None	integer	0,3,4	1	4	1, 2	
XFT_REQUIRE_ISO	None	boolean	0,1	1	0	1, 2	
XFT_SPARE	None	integer	0,1	1	0	1, 2	
XFT_CHARGE	None	integer	-1,0,1	1	0	1, 2	
XFT_PT_CMX	GeV/c	float	1.5-192.		none	1, 2	Same as XFT_PT but for CMX triggers
XFT_LAYERS_CMX	None	integer	0,3,4	1	4	1, 2	
TRACK_ISO_TYPE	None	integer	0,1,2	1	0	2	0=no iso, 1=Track, 2=Calorimeter
CHARGE_PRODUCT	None	integer	-1,0,1	1	0	1, 2	
PT_SCALAR_SUM	GeV/c	float	0.0-999.	0.5	0	1, 2	
PT_VECTOR_SUM	GeV/c	float	0.0-999.	0.5	0	2	
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0	1,2	
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180	1,2	
ISO_ET	GeV	float	0.0-5.0	0.25	0	2	0.0 means no ISO cut
ISO_FRACTION	None	float	0.0-1.0	0.05	0	2	0.0 means no ISO cut
ABS_ETA_MIN	None	float	0.0-3.6		0	2	
ABS_ETA_MAX	None	float	0.0-3.6		3.6	2	
CMU_STUB_PT	GeV/c	float	1.5-999		1.5	1,2	
CMX_STUB_PT	GeV/v	float	2.0-999		2.0	1,2	
REQUIRE_CMP	None	boolean	0,1	1	0	1,2	
REQUIRE_CSP	None	boolean	0,1	1	0	1,2	
REQUIRE_HTDC	None	boolean	0,1	1	0	1,2	
REQUIRE_HTDC_CMX	None	boolean	0,1	1	0	1,2	

Cuts and Parameters

REQUIRE_CSX	None	boolean	0,1	1	0	1,2	
ALLOW_EAST_WEST	None	boolean	0,1	1	1	1,2	
DELTA_WEDGE_MIN	Wedge	integer	0-23	1	0	1,2	
DELTA_WEDGE_MAX	Wedge	integer	0-23	1	23	1,2	
DELTA_PHI0_MIN	Degrees	float	0.0-180.	1.0	0	2	
DELTA_PHI0_MAX	Degrees	float	0.0-180.	1.0	180	2	
SVT_PT	GeV/c	float	1.5-200.		none	2	
SVT_CHI2		float	0-999	1.0	25	2	999 means no cut
SVT_DMIN	microns	float	0-3000		none	2	
SVT_DMAX	microns	float	0-9999		9999	2	9999 means no cut
SVT_DB_MAX	microns	float	0-9999		9999	2	9999 means no cut
SVT_LXY_MIN	microns	float	-9999-9999		-9999	2	-9999 means no cut
MASK_TYPE	None	string			"ALL"	2	Three values: "ALL", "TRACK", "NON_TRACK"
READOUT_LIST	None	integer	0-7	1	0	2	Used to control readout list sent from L2->TS->FE crates
PRESCALE_FACTOR	None	integer	0-16777216	1	1	1,2	
MAX_PRESCALE_FACTOR	None	integer	0-16777216	1	1	1,2	For dymanic prescales
MIN_PRESCALE_FACTOR	None	integer	0-16777216	1	1	1,2	For dynamic prescales
L2_PRESCALE_FACTOR	None	integer	0-16777216	1	1	2	
RATE	Hz	float	0.25-100000	0.25		2	
MASS_MIN	GeV/c^2	float	0.0-20.	0.1	0	2	
MASS_MAX	GeV/c^2	float	0-20.	0.1	20.	2	
N_MIN	None	integer	0-120	1	1	1	For TOF Multiplicity
N_MAX	None	integer	0-120	1	120	1	For TOF Multiplicity
TOF_THRESH	MIP	float	0-100	.05	10	1	For TOF Triggers

PRESCALE (L1)

Cut	Units	Type	Range	Step	Default
PRESCALE_FACTOR	None	integer	0-16777216	1	1

DYNAMIC_PRESCALE (L1)

Cut	Units	Type	Range	Step	Default
PRESCALE_FACTOR	None	integer	0-16777216	1	1
MAX_PRESCALE_FACTOR	None	integer	0-16777216	1	1
MIN_PRESCALE_FACTOR	None	integer	0-16777216	1	1

TAU (L1)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET_CENTRAL	GeV	float	0.0-999.	0.5	none
XFT_PT	GeV/c	float	1.5-192.	0	none
XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0

The following are hardcoded to the default in Java:

XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0
ET_PLUG	GeV	float	0.0-999.	0.5	999

ELECTRON (L1)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET_CENTRAL	GeV	float	0.0-999.	0.5	none
HAD_EM_CENTRAL	None	float	0.-1.	0.005	0.125
XFT_PT	GeV/c	float	1.5-192.	0	none
XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0

The following are hardcoded to the default in Java:

XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0
ET_PLUG	GeV	float	0.0-999.	0.5	999

PHOTON (L1)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET_CENTRAL	GeV	float	0.0-999.	0.5	none
ET_PLUG	GeV	float	0.0-999.	0.5	none
HAD_EM_CENTRAL	None	float	0.-1.	0.005	0.125
HAD_EM_PLUG	None	float	0.-1.	0.005	0.125

JET (L1)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET_CENTRAL	GeV	float	0.0-999.	0.5	none
ET_PLUG	GeV	float	0.0-999.	0.5	none

SUMET, MET (L1)

Cut	Units	Type	Range	Step	Default
ET	GeV	float	0.0-999.	0.5	none
SUMET_THRESH_CENTRAL	GeV	float	0.5-1.0	0.5	1.0
SUMET_THRESH_PLUG	GeV	float	0.5-1.0	0.5	1.0

TWO_TRACK(L1)

Cut	Units	Type	Range	Step	Default
XFT_PT	GeV/c	float	1.5-192.	0	none
XFT_PT2	GeV/c	float	-1.0-192.0	0	none
XFT_LAYERS	None	integer	0,3,4	1	4
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
PT_SCALAR_SUM	GeV/c	float	0.0-999.	0.5	0
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180

The following are hardcoded to the default in Java:

XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

ONE_TRACK(L1)

Cut	Units	Type	Range	Step	Default
XFT_PT	GeV/c	float	1.5-192.	0	none
XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0

The following are hardcoded to the default in Java:

XFT_PT2	GeV/c	float	-1.0-192.0	0	none
PT_SCALAR_SUM	GeV/c	float	0.0-999.	0.5	0
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

SEVEN_TRACK(L1)

Cut	Units	Type	Range	Step	Default
XFT_PT	GeV/c	float	1.5-192.	0	none
XFT_LAYERS	None	integer	0,3,4	1	4

CMU(P) (L1)

Cut	Units	Type	Range	Step	Default
CMU_STUB_PT	GeV/c	float	1.5-999	0	1.5
REQUIRE_CMP	None	boolean	0,1	1	0
REQUIRE_CSP	None	boolean	0,1	1	0
REQUIRE_HTDC	None	boolean	0,1	1	0
XFT_PT	GeV/c	float	1.5-192.	0	none

The following are hardcoded to the default in Java:

XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

CMX (L1)

Cut	Units	Type	Range	Step	Default
CMX_STUB_PT	GeV/v	float	2.0-999	0	2.0
REQUIRE_CSX	None	boolean	0,1	1	0
REQUIRE_HTDC_CMX	None	boolean	0,1	1	0
XFT_PT_CMX	GeV/c	float	1.5-192.	0	none
XFT_LAYERS_CMX	None	integer	0,3,4	1	4

The following are hardcoded to the default in Java:

XFT_CHARGE	None	integer	-1,0,1	1	0
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

CMU_CMU (L1)

Cut	Units	Type	Range	Step	Default
CMU_STUB_PT	GeV/c	float	1.5-999	0	1.5
REQUIRE_HTDC	None	boolean	0,1	1	0
XFT_PT	GeV/c	float	1.5-192.	0	none
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
DELTA_WEDGE_MIN	Wedge	integer	0-23	1	0
DELTA_WEDGE_MAX	Wedge	integer	0-23	1	23

The following are hardcoded to the default in Java:

XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

CMU_CMX (L1)

Cut	Units	Type	Range	Step	Default
CMU_STUB_PT	GeV/c	float	1.5-999	0	1.5
REQUIRE_HTDC	None	boolean	0,1	1	0
XFT_PT	GeV/c	float	1.5-192.	0	none
CMX_STUB_PT	GeV/v	float	2.0-999	0	2.0
REQUIRE_HTDC_CMX	None	boolean	0,1	1	0
XFT_PT_CMX	GeV/c	float	1.5-192.	0	none
XFT_LAYERS_CMX	None	integer	0,3,4	1	4
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
DELTA_WEDGE_MIN	Wedge	integer	0-23	1	0
DELTA_WEDGE_MAX	Wedge	integer	0-23	1	23
ALLOW_EAST_WEST	None	boolean	0,1	1	1

The following are hardcoded to the default in Java:

XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

CMX_CMX (L1)

Cut	Units	Type	Range	Step	Default
CMX_STUB_PT	GeV/v	float	2.0-999	0	2.0
REQUIRE_HTDC_CMX	None	boolean	0,1	1	0
XFT_PT_CMX	GeV/c	float	1.5-192.	0	none
XFT_LAYERS_CMX	None	integer	0,3,4	1	4
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
DELTA_WEDGE_MIN	Wedge	integer	0-23	1	0
DELTA_WEDGE_MAX	Wedge	integer	0-23	1	23
ALLOW_EAST_WEST	None	boolean	0,1	1	1

The following are hardcoded to the default in Java:

XFT_CHARGE	None	integer	-1,0,1	1	0
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

PHI_GAP_MUON (L1)

Cut	Units	Type	Range	Step	Default
REQUIRE_CSP	None	boolean	0,1	1	0
XFT_PT	GeV/c	float	1.5-192.	0	none

The following are hardcoded to the default in Java:

CMU_STUB_PT	GeV/c	float	1.5-999	0	1.5
XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

ETA_GAP_MUON (L1)

Cut	Units	Type	Range	Step	Default
CMU_STUB_PT	GeV/c	float	1.5-999	0	1.5
XFT_PT	GeV/c	float	1.5-192.	0	none

The following are hardcoded to the default in Java:

XFT_LAYERS	None	integer	0,3,4	1	4
XFT_CHARGE	None	integer	-1,0,1	1	0
XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0

HIP (L1)

Cut	Units	Type	Range	Step	Default
TOF_THRESH	MIP	float	0-100	.05	10
XFT_PT	GeV/c	float	1.5-192.	0	none

TOF_MULTIPLICITY (L1)

Cut	Units	Type	Range	Step	Default
TOF_THRESH	MIP	float	0-100	.05	10
N_MIN	None	integer	0-120	1	1
N_MAX	None	integer	0-120	1	120

TOF_COSMIC (L1)

Cut	Units	Type	Range	Step	Default
TOF_THRESH	MIP	float	0-100	.05	10

ShowerMax (L2)

Cut	Units	Type	Range	Step	Default
ET	GeV	float	0.0-999.	0.5	none

When combined with a CentralElectron option the Electron/Photon code will use fine matching (To track). When combined with a Photon option the code will use wedge level mtaching.
ET threshold is passed to SMXR front-end code which converts to ADC counts.

Photon (L2)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET	GeV	float	0.0-999.	0.5	none
HAD_EM	None	float	0.-1.	0.005	0.125
ISO_ET	GeV	float	0.0-5.0	0.25	0
ISO_FRACTION	None	float	0.0-1.0	0.05	0
ABS_ETA_MIN	None	float	0.0-3.6	0	0
ABS_ETA_MAX	None	float	0.0-3.6	0	3.6

Hidden Variables (not in option but passed via Header):

RECES_BIT	None	integer	0,1,2	1	0
0 = no ShowerMax, 1 = Low ET RECES Threshold, 2 = High ET RECES Threshold					

RecesElectron (L2)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET	GeV	float	0.0-999.	0.5	none
HAD_EM	None	float	0.-1.	0.005	0.125
XFT_PT	GeV/c	float	1.5-192.	0	none
ISO_ET	GeV	float	0.0-5.0	0.25	0
ISO_FRACTION	None	float	0.0-1.0	0.05	0

Hidden Variables (not in option but passed via Header):

RECES_BIT	None	integer	0,1,2	1	0
0 = no ShowerMax, 1 = Low ET RECES Threshold, 2 = High ET RECES Threshold					

InclusiveElectron (L2)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET	GeV	float	0.0-999.	0.5	none
HAD_EM	None	float	0.-1.	0.005	0.125
XFT_PT	GeV/c	float	1.5-192.	0	none
XFT_LAYERS	None	integer	0,3,4	1	4
ISO_ET	GeV	float	0.0-5.0	0.25	0
ISO_FRACTION	None	float	0.0-1.0	0.05	0
ABS_ETA_MIN	None	float	0.0-3.6	0	0
ABS_ETA_MAX	None	float	0.0-3.6	0	3.6

By default InclusiveElectron means NO RECES.

Jet (L2)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET	GeV	float	0.0-999.	0.5	none
ABS_ETA_MIN	None	float	0.0-3.6	0	0
ABS_ETA_MAX	None	float	0.0-3.6	0	3.6

HadronicB(L2)

Cut	Units	Type	Range	Step	Default
SVT_PT	GeV/c	float	1.5-200.	0	none
SVT_CHI2	0	float	0-999	1.0	25
SVT_DMIN	microns	float	0-3000	0	none
SVT_DMAX	microns	float	0-9999	0	9999
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
PT_SCALAR_SUM	GeV/c	float	0.0-999.	0.5	0
DELTA_PHI0_MIN	Degrees	float	0.0-180.	1.0	0
DELTA_PHI0_MAX	Degrees	float	0.0-180.	1.0	180
SVT_DB_MAX	microns	float	0-9999	0	9999
SVT_LXY_MIN	microns	float	-9999-9999	0	-9999

SvtTrack(L2)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
SVT_PT	GeV/c	float	1.5-200.	0	none
SVT_CHI2	0	float	0-999	1.0	25
SVT_DMIN	microns	float	0-3000	0	none
SVT_DMAX	microns	float	0-9999	0	9999

SvtXFTTrack(L2)

Cut	Units	Type	Range	Step	Default
SVT_PT	GeV/c	float	1.5-200.	0	none
SVT_CHI2	0	float	0-999	1.0	25
XFT_PT	GeV/c	float	1.5-192.	0	none
SVT_DMIN	microns	float	0-3000	0	none
SVT_DMAX	microns	float	0-9999	0	9999
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180

XFTTrack(L2)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
XFT_PT	GeV/c	float	1.5-192.	0	none
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180
TRACK_ISO_TYPE	None	integer	0,1,2	1	0

TRACK_ISO_TYPE: 0 track based, 1 = Calorimeter Based
Calorimeter Isolation = no other tracks pointing at this calorimeter wedge or adjacent wedge (+/-1)

ClusterSum (L2)

Cut	Units	Type	Range	Step	Default
NUMBER	None	integer	1-4	1	1
ET	GeV	float	0.0-999.	0.5	none
ET_TOTAL	GeV	float	0.0-999.	0.5	none

JpsiEE (L2)

Cut	Units	Type	Range	Step	Default
ET	GeV	float	0.0-999.	0.5	none
HAD_EM	None	float	0.-1.	0.005	0.125
XFT_PT	GeV/c	float	1.5-192.	0	none
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180
PT_VECTOR_SUM	GeV/c	float	0.0-999.	0.5	0
MASS_MIN	GeV/c2	float	0.0-20.	0.1	0
MASS_MAX	GeV/c2	float	0-20.	0.1	20.

Hidden Variables (not in option but passed via Header):

RECES_BIT	None	integer	0,1,2	1	0
0 = no ShowerMax, 1 = Low ET RECES Threshold, 2 = High ET RECES Threshold					

Note: opposite charge is a required cut

ElectronSVT(L2)

Cut	Units	Type	Range	Step	Default
ET	GeV	float	0.0-999.	0.5	none
HAD_EM	None	float	0.-1.	0.005	0.125
XFT_PT	GeV/c	float	1.5-192.	0	none
SVT_PT	GeV/c	float	1.5-200.	0	none
SVT_CHI2	0	float	0-999	1.0	25
SVT_DMIN	microns	float	0-3000	0	none
SVT_DMAX	microns	float	0-9999	0	9999
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180

Hidden Variables (not in option but passed via Header):

RECES_BIT	None	integer	0,1,2	1	0
0 = no ShowerMax, 1 = Low ET RECES Threshold, 2 = High ET RECES Threshold					

PhotonSVT(L2)

Cut	Units	Type	Range	Step	Default
ET	GeV	float	0.0-999.	0.5	none
HAD_EM	None	float	0.-1.	0.005	0.125
ISO_ET	GeV	float	0.0-5.0	0.25	0
ISO_FRACTION	None	float	0.0-1.0	0.05	0
ABS_ETA_MIN	None	float	0.0-3.6	0	0
ABS_ETA_MAX	None	float	0.0-3.6	0	3.6
SVT_PT	GeV/c	float	1.5-200.	0	none
SVT_CHI2	0	float	0-999	1.0	25
SVT_DMIN	microns	float	0-3000	0	none
SVT_DMAX	microns	float	0-9999	0	9999
DELTA_WEDGE_MIN	Wedge	integer	0-23	1	0
DELTA_WEDGE_MAX	Wedge	integer	0-23	1	23

Hidden Variables (not in option but passed via Header):

RECES_BIT	None	integer	0,1,2	1	0
0 = no ShowerMax, 1 = Low ET RECES Threshold, 2 = High ET RECES Threshold					

ElectronXFT(L2)

Cut	Units	Type	Range	Step	Default
ET	GeV	float	0.0-999.	0.5	none
HAD_EM	None	float	0.-1.	0.005	0.125
XFT_PT	GeV/c	float	1.5-192.	0	none
XFT_PT2	GeV/c	float	-1.0-192.0	0	none
CHARGE_PRODUCT	None	integer	-1,0,1	1	0
DELTA_PHI6_MIN	Degrees	float	0.0-180.	1	0
DELTA_PHI6_MAX	Degrees	float	0.0-180.	1	180

Hidden Variables (not in option but passed via Header):

RECES_BIT	None	integer	0,1,2	1	0
0 = no ShowerMax, 1 = Low ET RECES Threshold, 2 = High ET RECES Threshold					

The following are hardcoded to the default in Java:

XFT_REQUIRE_ISO	None	boolean	0,1	1	0
XFT_SPARE	None	integer	0,1	1	0
XFT_LAYERS	None	integer	0,3,4	1	4

Note: XFT_PT2, XFT_REQUIRE_ISO and XFT_SPARE refer to the non-electron track.

Prescale (L2)

Cut	Units	Type	Range	Step	Default
L2_PRESCALE_FACTOR	None	integer	0-16777216	1	1

Uses Prescale method

DynamicPrescale (L2)

Cut	Units	Type	Range	Step	Default
L2_PRESCALE_FACTOR	None	integer	0-16777216	1	1
MAX_PRESCALE_FACTOR	None	integer	0-16777216	1	1
MIN_PRESCALE_FACTOR	None	integer	0-16777216	1	1

Uses Prescale method

RateLimit (L2)

Cut	Units	Type	Range	Step	Default
RATE	Hz	float	0.25-100000	0.25	0

Uses Prescale method

Inclusive (L2)

Cut	Units	Type	Range	Step	Default	
MASK_TYPE	None	string	0	0	"ALL"	

MASK_TYPE specifies which L1 Triggers feed this L2 trigger:
"ALL" means there is no requirement on the L1 Trigger
"TRACK" means all L1 Triggers that contain only ONE_TRACK, TWO_TRACK, SEVEN_TRACK or PRESCALE options
"NON_TRACK" means all L1 Triggers that contain at least one option other than ONE_TRACK, TWO_TRACK, SEVEN_TRACK or PRESCALE

ReadOutList(L2)

Cut	Units	Type	Range	Step	Default	
READOUT_LIST	None	integer	0-7	1	0	

The parameter READOUT_LIST is passed to the TSI along with L2A when this option is included in a trigger. If it is not included the default list is assumed. If there is a conflict between different triggers in the same event. The most inclusive list will be assumed. It is assumed that the most inclusive list will have the highest value.

Error (L2)

Cut	Units	Type	Range	Step	Default	
No cuts or paramters						

The error trigger is similar to inclusive in that in principal it could have a L1 bit mask. However, it is assumed that the bitmask would always include all L1 triggers. Therefore parameter is required. If this presents a definition problem it can be defined with a dummy parameter.