

L1 Qualifiers

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JTL

<u>Name</u>	<u>bit (overall)</u>	<u>GS destination</u>		
L2ForcedWrite	0	all L2	every instance of set of L1 trigger bits	
L2GlobalNeeded	1	all L2	is this still needed? Or something else?	
L2MuNeeded	2	L2MUC,F	probably not separable	
L2UnbiasedSample	3	all L2	prescale-per-L1 trigger bits	4 bits reserved for signals not
L2EmNeeded	4	L2CAL		
L2JetNeeded	5	L2CAL		maybe needed?
L2EtMissNeeded	6	L2CAL		
CollectStatus	7	L1HWWF,L2	grab monitoring data after processing this event	calculable from L1 bit mask alone
L2PSNeeded	8	L2PS		
L2TrackNeeded	9	L2CTT		
L2ImpactNeeded	10	L2CTT		
	11			reserved
	12			
	13			
L2STTNeeded	14	L2STT (all)		
	15			reserved
L2TrackShortOutput	bits > 15	L2CTT	maybe?	
L2ImpactShortOutput	are	L2CTT	maybe?	
L2EmReserved	not	L2CAL		requested
L2JetReserved	currently	L2CAL		
L2EtMissReserved	assigned	L2CAL		
L1NoZeroSupress		all?	maybe?	

note: if intend to send > 16 qualifiers, the options are:

- 1) calculate them in L2 from a trigger mask
 - 2) different "cards" in the hub system as source
- requires rearrangement of GS's, since all but L2STT are bunched together

if more than 16 are required, may use a different method than SCL to transport the data