

Level 2 Muon Trigger Tasks

Updated: 19-May-00

COLOR CODE	urgent to complete	help from outside of group useful
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SLIC / DSP OPERATING SYSTEM	Finish	Depends on	Comments
Prototype OS (boot kernel)	done		HE
Analysis OS (c compatible)			HE
polling version	06/00	Proto OS	
interrupt version	10/00	Polling OS	
Input Data Memory Management			
DSPs 1-4	06/00		HE
DSP 5	07/00	DSPs 1-4	BK
Output Data Memory Management		Algorithms	HE/AM
DSPs 1-4	08/00		simple?
DSP 5	08/00		
SLIC Board Test Suite	evolving		BK/HE

DSP ALGORITHMS	Finish	Depends on	Comments
Prototype Algorithms on DSP Emulator	done		AM
Algorithm Utilities		Mem. Manage	ITEP
Data Access	07/00		
Error Checking & Reporting	09/00		
Other OS Interactions & Interrupts	10/00	Interrupt OS	
Processing DSPs (1-4) Algorithms		OS & Mem Man	
Central – A	07/00		AM
Central – BC			AM/BK
Central – Bottom			AM/BK
Forward – A			Munich
Forward – BC			Munich
Level-1 Reformat			MF
Formatting DSP (5) Algorithm		OS & Mem Man	
Data Movement	07/00		AM
Error Checking / Reporting	09/00		AM
Monitoring	09/00	Algorithms	BK

HARDWARE & INFRASTRUCTURE	Finish	Depends on	Comments
Test Stand			AM/BK
Integration w/ FIC,SFO,CIC,MBT,Alpha	06/00		
Cabling			?
Power/Cooling – Monitoring			?
System Maintenance			AM/BK

WORKER ALPHA	Finish	Depends on	Comments
Utilities Data Access (I/O)			MSU
Algorithms Track Building Algorithm			?
Monitoring		Alpha Algorithms	

ADMINISTRATOR ALPHA	Finish	Depends on	Comments
Utilities Data Access (I/O) Monitoring			MSU
L2 Mu Specific		Alpha Algorithms	?

L2 GLOBAL	Finish	Depends on	Comments
Global Algorithm			?

SYSTEM CONTROL *	Finish	Depends on	Comments
SCL Init			?
Downloading / Initialization			?
Run Control			?
L3 Data to VBD			?
System-wide Test Suite			?

* includes interaction with all boards in L2MU crate

SIMULATION	Finish	Depends on	Comments
Framework / Coordination	06/00	raw data	MF?
DSP Algorithms Implementation in l2_sim		F'work, Algo's	algo groups
Alpha Algorithms			identical to online
MC Studies Algorithm Verification Physics/Background Studies		F'work, Algo's	algo groups AM/BK