

Trigger Upgrades Introduction



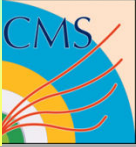
- **First Day: Review the status of the R&D effort.**
 - Progress on algorithms
 - Impact of the HCAL upgrades to trigger (TPGs)
 - Demonstrator R&D effort and results
 - We will be seeing significant progress in all aspects which will enable us to conclude that things have matured enough to start planning our Trigger Upgrades TDR.
- **Second Day: Need to organise and plan the Phase-I trigger**
 - Need to keep ahead of the detector upgrades and dictate the physics/trigger needs to them.
 - We have several successful demonstrators at hand but this is only a good start and does not guarantee the success of the progress. For this we need a plan that includes.
 - **Firmware plan**
 - **Software plan**
 - **Road map for producing and commissioning the new trigger.**
 - These are the subjects to be discussed in the second day.

First Day: 18.10.09



10:00	Introduction and Goals	FOUNTAS, Costas
10:10	HCAL Trigger Primitives	MANS, Jeremiah MANS, Jeremiah
10:25	ECAL TPG Hardware - Opto-SLB	DA SILVA, Jose
10:40	uTCA Matrix Card Status	JONES, John
10:55	uTCA Aux Card Status - TTC+S-LINK64	GORSKI, Thomas Andrew SMITH, Wesley
11:10	Muon Trigger Upgrades - CSC	FURIC, Ivan Kresimir
11:35	Global Trigger Upgrades	TAUROK, anton
12:00	Future Trigger Designs	JONES, John
12:25	Future Trigger Designs	GORSKI, Thomas Andrew
12:50	break	
14:00	Track Trigger Designs for Phase - II	HEINTZ, Ulrich
14:25	Simulation Studies for Track Triggers	FRAZIER, Robert
14:50	HCAL TPG Simulation Studies	NACHTMAN, Jane
15:15	Calorimeter Trigger Simulation Studies	DASU, Sridhara
15:40	Firmware Studies and Performance	SCHULTE, Michael

Second Day: 29.10.09



time	title	presenter
10:00	Introduction and Goals	FOUNTAS, Costas
10:15	Firmware Organisation - Validation - Commissioning	SCHULTE, Michael
10:45	Hardware Demonstrators Goals and Plans	ILES, Gregory Michiel
11:15	Online Software Needs and Roadmap	FRAZIER, Robert
11:45	Infrastructure	HANSEN, Magnus
12:15	Manpower commitments - A summary	
12:35	Closing	FOUNTAS, Costas

Goal: We need to conclude our design by April 2010

Otherwise there is a danger that the various efforts will either reproduce each other or they may de-focus and become incoherent.

END



**Looking forward to a
productive workshop...**