LHC QPS Review Committee

Wednesday, 25 February 2009

Individual short presentations/discussions addressing panel questions - 30/5-039 (08:30 - 17:30)

time	[id] title	presenter
08:30	[10] Symmetric quench experience and planned solution (20'+10')	DENZ, Reiner
09:00	[12] Are there any other superconducting busses not being monitored by a quench detection system: the diode area	KORATZINOS, Michael
09:15	[13] Are there any other superconducting busses not being monitored by a quench detection system: 13kA & 6kA & 600A	FLORA, Robert Henry
09:40	[15] Mechanical details of the bypass diodes	DAHLERUP-PETERSEN, Knud
09:55	[16] How were the diodes tested prior to installation	SIEMKO, Andrzej
10:10	[17] Stresses on diode joints	DAHLERUP-PETERSEN, Knud
10:30	coffee break	
10:50	[20] Effects of standard component failures as well as radiation damage on the operation of the QPS (fail safe or not). What design features make the system fail safe? Details on the detection circuits.	DENZ, Reiner
11:20	[19] What limits the maximum negative di/dt for the magnet systems	THIESEN, Hugues
11:40	[32] Which experiences have been gained from the accident with respect to the expected behaviour of the existing QPS. Did everything react as designed? Did quenches propagate along the magnet chain due to transients and sudden current changes?	LE NAOUR, Sandrine
12:10	[22] MI^2T limits for magnets, what are they and how where they developed. Time budgets for detection and energy extraction for the various magnet system.	SIEMKO, Andrzej
12:40	lunch	
14:00	[24] Description of energy extraction components and design criteria	DAHLERUP-PETERSEN, Knud
14:15	[27] How does electromagnetic noise (from environment and beam) affect the novel protection circuits for bus bar splices?	FLORA, Robert Henry
14:30	[33] Reserve	
14:45	[34] Procedures used and the resulting traveler associated with the failed busbar joint. Ultrasound tests of joints.	FESSIA, Paolo
15:00	[35] Stresses on busbar joints.	FESSIA, Paolo
15:15	[36] QPS commissioning plan. Quality assurance during the installation of the new quench detection systems.	FORMENTI, Fabio
15:30	[28] Schedule foreseen for the completion of the new Enhanced QPS system	FORMENTI, Fabio
15:50	[30] How does standard component failure effect the operation of the QPS? In particular, what will happen in case of a mains power loss? Does the system rely on the proper functioning of a UPS system? Is the redundancy system properly designed on all levels?	DAHLERUP-PETERSEN, Knud
16:10	coffee break	

16:30	[37] Reserve	