

QPS - analysis of main problems, areas to target, possible improvements

Monday 12 December 2011 14:00 (25 minutes)

The fault statistics of the LHC Quench Protection System QPS for the LHC run 2011 will be presented and the various fault types explained. Starting with teething and EMC related problems, the tune feedback compatibility, hardware faults of the quench heater power supplies and spurious openings of electrical circuit breakers will be described in more details. Hereby as well the necessary and potential consolidation measures will be discussed. The role of the MPE standby service for the system availability will be addressed. Finally radiation induced faults and the respective mitigation and consolidation measures will be treated as separate subject.

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Session Classification: Session 2 : Availability