MPP Workshop (11-13 March 2013)

Changes in powering interlocks - ***I. Romera****, P. Dahlen, R. Mompo, M. Zerlauth*

Abstract

Powering interlocks guarantee the safe operation of both normal and superconducting magnets of the LHC and its injector complex. Experience gained during the last years has served to identify weaknesses of the system and to review some aspects of the existing implementation.

This presentation gives an overview of the operational experience with powering interlocks during the first LHC running period (2010-2012). It focuses on the issues encountered, mitigations put in place and improvements proposed during LS1 which will have an impact on the overall dependability of the machine protection system.