

Machine Protection workshop revisited - Open issues, progress and decisions on major topics

At the Machine Protection Workshop, held in March 2013, the upgrades / changes in the machine protection systems planned for LS1 were discussed. Furthermore it gave an outlook on challenges and possible solutions for future LHC upgrades. This paper / presentation summarizes the status and progress in the machine protection and related systems relevant for the restart of the LHC with beam. Furthermore, issues that still have to be addressed will be discussed. The follow-ups from the Machine Protection workshop cover the topics material damage and failure scenarios, moveable devices, injection and LHC beam dumping system (LBDS), circuit related protection and electrical distribution, beam instrumentation, operation and software tools, commissioning of MP systems and MPP.

Authors:

D. Wollmann, M. Zerlauth