

Dependability calculations prior to 2008 and operational experience during the first LHC run.

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Abstract:

This presentation recalls the initial work done by the Reliability Working Group to assess the safety of the LHC machine protection system before its first operation. This study also provided numbers of machine availability for the systems studied. The initial estimate is compared with the LHC fault statistics presented at the different workshops across all systems. The importance of such studies and the role of the Availability Working Group for operation after LS1 are described.