

MPS issues and MP approach concerning operation and MDs

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Abstract

The performance of the machine protection system with a focus on safety has been studied for the first 3 years of LHC operation. An overview of the remaining limitations, major issues, periods of non-standard operation and the functioning of machine protection organisation as seen by machine protection experts will be presented and the procedures and processes to handle these will be discussed.

Inferring from the experience gained proposals to improve said processes and the support to the operation crews during intensity ramp-ups, MDs, ... will be made for the re-start of the machines after LS1 and the operational period thereafter.