

Workshop on Radiation Effects in Superconducting Magnet Materials 2015 (RESMM'15)

Contribution ID : 6

Beam-Related Design Limits for Superconducting Magnets

Monday 11 May 2015 at 11:00 (00h20')

Content :

Beam induced short-term and long-term effects in superconducting magnets are described in their relation to the magnet operational stability as well as to performance and lifetime of components. The common limits used in design of the high-field superconducting magnets for particle colliders and large systems of the fixed-target experiments are overviewed. Confidence in these limits, uncertainties and further R in the field are discussed.

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Session classification : Session A: Superconducting Magnet Designs

Track classification : Design of Superconducting Magnets for High Radiation Environment

Type : Abstract