

Nb₃Sn Quadripôle development at CEA/Saclay

Abstract:

CEA/Saclay is fabricating an Nb₃Sn quadrupole magnet. This magnet is aimed at learning the technology needed for using Nb₃Sn in accelerator magnets and its design is based on the LHC main quadrupole design. Particularities induced by the use of Nb₃Sn material in the fabrication process will be described and the current status of the development will be given.