

Abstract

Superconductivity and Cryogenics at CERN

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Superconductivity and associated cryogenics have been used at CERN since the sixties, with a sharp rise in capacity and size for the LEP200 project and more recently for the LHC. The actual achievements for LHC will be presented, with the emphasis on the approach used towards efficiency and availability. Perspectives for power distribution applications will be proposed, considering operational constraints transposed to long power lines.

