

CAS course on "Normal- and Superconducting Magnets", 19 November - 02 December 2023, St. Pölten, Austria



Contribution ID: 18

Type: **not specified**

RT magnet design, fabrication, testing III

Wednesday 22 November 2023 09:30 (1 hour)

This course focuses on resistive magnets. After an introduction, with examples of the variety of normal conducting magnets installed in accelerators, the main requirements and interfaces are formalized and described. The design principles –both of the yoke and of the coil –are then presented, with general formulae and covering more in detail the case of dipoles and quadrupoles. The last part is dedicated to fabrication and acceptance tests, where real life examples are provided.

Presenter: MILANESE, Attilio (CERN)