



Contribution ID: 140

Type: Poster

## The INFN Test Facility for Large Magnets

The Test Facility for Large Magnets is a cryogenic test facility located in Salerno, at the Fisciano campus, covering an area of 450 m<sup>2</sup>. It is dedicated to the large-scale superconducting magnets tests providing a cryogenic infrastructure equipped with the He refrigerator of 200W @ 4.5 K and 30m<sup>3</sup> He gas tank. The facility has been adapted to carry out the Site Acceptance Tests of the quadrupole modules for the Heavy-Ion-Synchrotron SIS100 under construction in Germany. It features all the necessary instrumentation to perform electrical integrity tests both at warm and cold, power tests up to 250 A and cryogenic tests through the use of a supercritical helium distribution.

### Work-package

WP3 - RIs for Accelerator R&D

### Facility identifier

THOR

**Author:** Dr CHIUCHIOLO, Antonella (INFN)

**Session Classification:** Cocktail - Poster session