IPAC'25 - the 16th International Particle Accelerator Conferece



Contribution ID: 1982 Contribution code: WEPB095

Type: Poster Presentation

# Cryogenic cooling of superconducting devices

Wednesday 4 June 2025 16:00 (2 hours)

Superconducting magnets, RF cavities, undulators and wigglers are widely employed for particle accelerators and cooled under the cryogenic condition below 100 K. This paper describes the cryogenic cooling schemes of superconducting devices and the sources of the cooling power capacities: refrigerators, cryoplants, and cryocoolers. Their main features, such as temperature, pressure, and cooling powers will be presented, which facilitate R&D of superconducting devices.

#### Footnotes

#### Paper preparation format

Word

### **Region represented**

Asia

## **Funding Agency**

Author: ZONG, Zhanguo (High Energy Accelerator Research Organization)

Presenter: ZONG, Zhanguo (High Energy Accelerator Research Organization)

Session Classification: Wednesday Poster Session

**Track Classification:** MC7: Accelerator Technology and Sustainability: MC7.T10 Superconducting Magnets