

Low temperature research topics at the Cryolab at CERN

For 52 years the Central Cryogenic Laboratory of CERN (Cryolab) is providing expertise and performing R&D for clients and collaborators at low temperatures. Our current research topics in the field of He II are presented: heat transport studies in confined superconducting Rutherford cable geometries, options to localize a Quench spot at superconducting radio-frequency cavity surfaces as well as visualized effects of He II heat transfer mechanisms. The different material property test stands and cryocooler based zero boil off cryostat solutions will be presented.

Summary

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Session Classification: Research in the cryogenic field (chairperson: Christoph Haberstroh)