

Virtual International Workshop on Nb₃Sn SRF Science, Technology, and Applications (Nb₃SnSRF'20)



Tuesday 10 November 2020 - Friday 13 November 2020

Online

Scientific Programme

Fundamental Studies

Research focusing especially on the science of RF superconductivity in Nb₃Sn. Some example subjects include maximum fields, vortex entry and dissipation, and grain boundaries.

Conveners:

Growth studies

Studies on the growth of SRF-grade Nb₃Sn films (e.g. growth mechanism studies, parameter space exploration). Deposition methods presented here can include vapor diffusion, sputtering, CVD, ALD, or other methods.

Conveners:

Performance

Results of cryogenic RF tests of Nb₃Sn coated cavities.

Conveners:

Applications

Development of Nb₃Sn cavities for accelerators, including both large- and small-scale applications. Some example subjects include conduction cooling, low conduction input couplers, industry partners, and near-term accelerator applications.

Conveners: