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: