

8th International Workshop on Thin Films and New Ideas for Pushing the Limits of RF Superconductivity



Monday, October 8, 2018 - Wednesday, October 10, 2018

INFN - Laboratori Nazionali di Legnaro

Scientific Program

The 8th Thin films and new ideas for SRF Workshop will be held from Monday, October 8, to Wednesday, October 10.

The programme will be soon available.

Perspective of thin film cavities in international projects

Theoretical modelling of RF behavior

Q-drop mechanism in thin films, SRF performance enhancement with mono- and multilayered superconductors

Nb thin film technology

Energetic condensation from highly ionized plasmas (HiPIMS, vacuum arc deposition, ECR plasma deposition ...), conventional PVD...

CVD and ALD for SRF materials

Other superconducting materials beyond niobium

Nb_3Sn , MgB_2 and other high- T_c superconductors (oxypnictides, FeSe monolayer...)

Advanced preparation of substrates and atmospheric plasmas

Advances in cavity substrate fabrication

Electroplating, seamless cavities, 3D-manufacturing...

RF and material characterization for SRF films

Superconducting films beyond SRF

