

Session Program

16-20 Sept 2024



11th International Workshop on Thin Films and New Ideas for Pushing the Limits of RF Superconductivity - TFSRF2024

SRF Thin Films Characterization

Bat. 100, Université Paris-Saclay, France, Auditorium Joliot-Curie
Batiment 100, Orsay Campus

Wednesday 18 September

11:15

SRF Thin Films Characterization

Session | **Location:** Bat. 100, Université Paris-Saclay, France, Auditorium Joliot-Curie, Batiment 100, Orsay Campus

11:15-11:38

CW mode test and electromagnetic-thermal simulation of conduction-cooled SRF cavities at PKU

Speaker

Mr Manqian Ren

11:38-12:01

RF Characterisation of Planar Thin Film Coated Sample

Speaker

Daniel Seal

12:01-12:24

Progress in the design and testing of thin film on longitudinal split RF cavity

Speaker

Nathan Leicester

12:24-12:47

Development of 1.3 GHz Cavity Test Facilities

Speaker

Dr Oleg Malyshev

12:47-13:10

First magnetic field penetration results of Multilayer samples and A15 materials for the use in SRF applications.

Speaker

Liam Smith

13:10

Thursday 19 September

09:00

SRF Thin Films Characterization

Session | **Location:** Bat. 100, Université Paris-Saclay, France, Auditorium Joliot-Curie, Batiment 100, Orsay Campus

09:00–09:33

Depth-resolved characterization of superconductor-superconductor bilayer properties beneficial for SRF applications

Speaker

Md Asaduzzaman

09:33–10:06

Positron annihilation spectroscopy: pursuing point defects in superconducting film

Speaker

Sebastian Klug

10:06–10:29

Enhancement of magnetic flux expulsion in multilayer structures

Speaker

Dan Turner

10:29–10:52

Thermal Conductance measurements of SIS & Nb₃Sn coated samples at cryogenic temperatures

Speaker

Marc Wenskat

10:55