

Session Program

16-20 Sept 2024



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

Beyond Nb: Alternate materials and mulilayer structures

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

Tuesday 17 September

09:00

Beyond Nb: Alternate materials and mulilayer structures

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

09:00–09:33 **Bipolar HiPIMS-deposited Nb₃Sn films: What we know so far**

Speaker

Guillaume Jonathan Rosaz

09:33–10:06

Nb₃Sn films on Cu by Magnetron Sputtering for SRF cavities at INFN-LNL

Speaker

Dorothea Fonnesu

10:06–10:39

Research of Niobium Cavity Coating with Nb₃Sn Film at IHEP

Speaker

Chao Dong

10:39

11:09

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11:09–11:30 **First results from Nb₃Sn cavities in a CEBAF cryomodule**

Speakers

Anne-Marie Valente-Feliciano, Grigory Ereemeev, Uttar Pudasaini

11:32–11:55

Cu-based Nb₃Sn QPR sample preparation via ETS bronze route

Speaker

Ming Lu

11:55–12:18

Investigations Towards Nanoscale Precise Polishing of Nb₃Sn Thin Films for SRF Applications

Speaker

Ziqin Yang

12:18–12:41

Nb₃Sn on Cu in High Field

Speaker

Andre Juliao

12:41–13:04

Microwave Vortex-dynamics Characterization in Nb₃Sn under High Magnetic Fields

Speaker

Dr Pablo Vidal Garcia

13:04

14:30

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14:30–15:03 **SRF Thin Film Deposition of Material Other Than Nb For SRF Cavities.**

Speaker

Dr Reza Valizadeh

15:03-15:26

Progress on MgB₂ coating for Cu superconducting RF cavities**Speaker**

Ke Chen

15:26-15:49

Enhancement of the lower critical field in Fe(Se,Te)-coated Nb structures for superconducting radio-frequency applications**Speaker**

Zefeng Lin

15:50

16:20

Beyond Nb: Alternate materials and multilayer structures**Session** | **Location:** Bat. 100, Université Paris-Saclay, France, Auditorium Joliot-Curie, Batiment 100, Orsay Campus

16:20-16:43

Development of Nb₃Sn films for single and multilayer structures**Speaker**

Oleksandr Hryorenko

16:43-17:06

Effects of deposition parameters on superconducting NbTiN thin films for use in SRF multilayer structures**Speaker**

Bharath Reddy Lakki Reddy Venkata

17:06-17:29

Thin-film study of Nb₃Sn-AlN-Nb and NbN-AlN-Nb on 3GHz cavity by DC magnetron sputtering.**Speaker**

Ryo Katamaya

17:29-18:29

Nb₃Sn Hot Topic Discussion

18:29