



# 10th International Workshop on Thin Films and New Ideas for Pushing the Limits of RF Superconductivity

## Tuesday, September 20, 2022

### Beyond Nb: Alternate materials and mulilayer structures: 1 - CEBAF Center Auditorium (9:00 AM - 10:40 AM)

-Conveners: Grigory Ereameev

time	[id] title	presenter
9:00 AM	[14] Nb <sub>3</sub> Sn Coating of a 2.6 GHz SRF cavity using a cylindrical magnetron sputtering system	SHAKEL, Md Sharifuzzaman
9:25 AM	[23] Recent advances with bipolar HiPIMS-deposited Nb <sub>3</sub> Sn films	Dr LEITH, Stewart
9:50 AM	[15] Nb <sub>3</sub> Sn thin films on Cu base materials using bronze routes	JULIAO, Andre
10:15 AM	[34] Overview of Nb <sub>3</sub> Sn-cavity technology development for Jefferson Lab	PUDASAINI, Uttar

### Beyond Nb: Alternate materials and mulilayer structures: 2 - CEBAF Center Auditorium (11:00 AM - 12:20 PM)

-Conveners: Sebastian Keckert

time	[id] title	presenter
11:00 AM	[18] EFFECT OF LOWER TEMPERATURE ANNEALING ON SURFACE PROPERTIES OF VAPOR DIFFUSION COATING OF Nb <sub>3</sub> Sn.	TISKUMARA, Jayendrika
11:20 AM	[24] Nb <sub>3</sub> Sn on Cu Coating By Magnetron Sputtering From Target Synthesized via Liquid Tin Diffusion	PIRA, Cristian
11:40 AM	[25] V <sub>3</sub> Si thin film deposition using HiPIMS and DC	LOCKWOOD ESTRIN, Francis
12:00 PM	[8] Pushing the CW beam current limit of TESLA SRF Cavities with Nb <sub>3</sub> Sn and NbTiN Coating of HOM Antennas	PLATTNER, Paul

### Beyond Nb: Alternate materials and mulilayer structures: 3 - CEBAF Center Auditorium (1:30 PM - 3:40 PM)

-Conveners: Mingqi Ge

time	[id] title	presenter
1:30 PM	[22] 6 GHZ CAVITY DEPOSITION WITH B1 SUPERCONDUCTING THIN FILM AT ASTEC	VALIZADEH, Reza
1:55 PM	[2] AlN-NbTiN multilayers deposited by PEALD for SRF cavity studies	GONZÁLEZ DÍAZ-PALACIO, Isabel
2:20 PM	[3] Successful Al <sub>2</sub> O <sub>3</sub> coating of superconducting niobium cavities by thermal ALD	DEYU, Getnet Kacha
2:45 PM	[26] Material engineering of ALD- deposited multilayer to improve the superconducting performances of RF cavities under intense RF fields.	KALBOUSSI, Yasmine

### Beyond Nb: Alternate materials and mulilayer structures: 4 - CEBAF Center Auditorium (4:00 PM - 5:50 PM)

-Conveners: Marc Wenskat

time	[id] title	presenter
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## Program

4:00 PM	[30] THE INVESTIGATION OF SPUTTERED S(I)S STRUCTURES FOR SRF CAVITIES	SEZGIN, A. Özdem
4:20 PM	[47] MgB2 Progress at Temple University	Dr CHEN, Ke
4:40 PM	[19] A new system for MgB2 coating R&D at LANL	TAJIMA, Tsuyoshi
5:00 PM	[43] Beyond Nb: discussion	