



# TTC2022 Aomori, TESLA Technology Collaboration

## Wednesday, 12 October 2022

### **WG3: Applications and cooling schemes for Nb<sub>3</sub>Sn- cavities - Medium meeting room (14:00 - 15:30)**

-Conveners: Oliver Kugeler; Uttar Pudasaini; Kensei Umemori

time	[id] title	presenter
14:00	[74] Alternative Nb <sub>3</sub> Sn Coating via Direct Electrochemical Deposition	SHPANI, Liana
14:18	[75] Commissioning of cylindrical DC magnetron sputtering system and preliminary results from Nb <sub>3</sub> Sn coating of a 2.6 GHz Nb SRF cavity	VALENTE-FELICIANO, Anne-Marie
14:36	[76] Low temperature co-sputtering of Nb <sub>3</sub> Sn thin films on copper	MAJOR, Marton
14:54	[77] Nb <sub>3</sub> Sn on Cu Coating By Magnetron Sputtering From Target Synthesized via Liquid Tin Diffusion	PIRA, Cristian
15:12	[106] Discussion	

### **WG3: Applications and cooling schemes for Nb<sub>3</sub>Sn- cavities - Medium meeting room (16:00 - 17:30)**

-Conveners: Oliver Kugeler; Uttar Pudasaini; Kensei Umemori

time	[id] title	presenter
16:00	[79] Nb <sub>3</sub> Sn coating R&D in Japan	ITO, Hayato
16:15	[80] Nb <sub>3</sub> Sn cavity coatings for accelerator applications at JLab	PUDASAINI, Uttar
16:30	[81] Centrifugal Barrel Polishing of Nb <sub>3</sub> Sn Thin Film Cavities	VIKLUND, Eric
16:45	[83] Improved electrolytic coating of Cu on Nb	KUGELER, Oliver
17:00	[84] Development of High-Capacity 4K GM-JT CryoCoolers	KAWAKAMI, Hisao
17:15	[85] Discussion session	UMEMORI, Kensei PUDASAINI, Uttar KUGELER, Oliver

# Thursday, 13 October 2022

## **WG3: Applications and cooling schemes for Nb3Sn- cavities - Medium meeting room (11:00 - 12:30)**

-Conveners: Oliver Kugeler; Uttar Pudasaini; Kensei Umemori

time	[id] title	presenter
11:00	[87] Conduction cooling R&D at KEK	YAMADA, Tomohiro
11:18	[88] Progress on the design of a conduction cooled SRF cryomodule at Fermilab	DHULEY, Ram
11:36	[89] Development of cryocooler systems for SRF and NCRF cavity and component tests at LANL	TAJIMA, Tsuyoshi
11:54	[90] 952MHz Nb3Sn Cryostat Design and Thermal Management	CHENG, Gary
12:12	[107] Discussion	

## **WG3: Applications and cooling schemes for Nb3Sn- cavities - Medium meeting room (14:00 - 15:30)**

-Conveners: Oliver Kugeler; Uttar Pudasaini; Kensei Umemori

time	[id] title	presenter
14:00	[93] Application of Nb3Sn cavity for fs pulse electron microscope	JINFENG, Yang
14:18	[94] Conduction-cooled SRF accelerator development for industrial applications at Fermilab	THANGARAJ, Jayakar Charles Tobin
14:36	[95] Design and beam dynamics study on compact Nb3Sn accelerator	TANAKA, Olga
14:54	[96] Progress in Nb3Sn developments for CEBAF-style quarter cryomodule	PUDASAINI, Uttar
15:12	[98] Discussion	UMEMORI, Kensei PUDASAINI, Uttar KUGELER, Oliver