TTC 2022, TESLA Technology Collaboration

Tuesday 25 January 2022

WG2: session 1 (14:20 - 15:00)

-Conveners: Jinfang Chen; Akira Miyazaki; Daniel Bafia

time	[id] title	presenter
14:20	[18] LCLS-II-HE High Q/Gradient R&D Program, First CM Test Results, and CM Plasma Processing Results, D.Gonnella (SLAC)	
14:40	[19] High Q/Gradient based on the completely new Wuxi platform, J. Chen (SARI)	

WG2: session 2 (15:20 - 17:00)

-Conveners: Akira Miyazaki; Daniel Bafia; Jinfang Chen

time	[id] title	presenter
15:20	[20] 650 MHz High Q at FNAL, K. Mc Gee (MSU/FNAL)	
15:40	[21] High Q & gradient 650MHz and 1.3GHz cavities at IHEP, F. He (IHEP)	
16:00	[22] Tuning Nb Cavity Performance via Oxide Dissolution, E. Lechner (JLAB)	
16:20	[23] The Role of O in Enabling High Gradients and High Q, D. Bafia (FNAL)	
16:40	[24] Surface structural studies of SRF Nb cutouts at cryogenic conditions using synchrotron radiation-based characterization techniques, A. Cano (FNAL)	

Wednesday 26 January 2022

WG2: session 3 (13:30 - 15:00)

-Conveners: Akira Miyazaki; Jinfang Chen; Daniel Bafia

time	[id] title	presenter
13:30	[30] Theory of Dynes superconductor: magnetic and nonmagnetic impurities; and their effect to coherent peak, RBCS, and Res, F. Herman (Comenius University)	
13:50	[31] Summary of thin film working group, M. Wenskat (DESY)	
14:00	[32] Mitigation of parasitic losses in the quadrupole resonator enabling direct measurements of low residual resistances of SRF samples, S. Keckert (HZB)	
14:20	[33] High-field behavior of Nb3Sn films for SRF cavities, N. Verboncoeur (Cornell)	
14:40	[34] Improvement of the first flux entry field by laser post-treatment of the thin Nb film on Cu, R. Ries (Institute of Electrical Engineering SAS)	

WG2: session 4 (15:20 - 17:00)

-Conveners: Daniel Bafia; Jinfang Chen; Akira Miyazaki

time	[id] title	presenter
15:20	[40] Recent progress of flux trapping/expulsion studies in TEM cavities and samples, A. Miyazaki/ D. Longuevergene/ F. Kramer/ P. Kolb (Uppsala/Orsay/HZB/TRIUMF)	
15:40	[41] Observation of intermediate mixed state in high-purity cavity grade Nb by MO imaging and its implication to flux trapping mechanism, S. Ooi (NIMS)	
16:00	[42] HiPIMS Nb on seamless Cu substrates: different ways to fabricate seamless substrates, and their results in a vertical cryostat, L. Vega Cid (CERN)	
16:20	[43] Investigation of new EBW technique for cavity fabrication, T. Dohmae (KEK)	
16:40	[44] IMP novel cavity technology development for industrial application, M. Xu (IMP)	