

TTC2023 Meeting, Fermilab

Tuesday, 5 December 2023

WG3: Novel Clean assembly techniques, in-situ mitigation, and recovery processes - Curia II (11:00 - 12:30)

-Conveners: Martina Martinello (SLAC); Naruhiko Sakamoto (RIKEN); Enrico Cenni (CEA)

time	[id] title	presenter
11:00	[63] Overview of WG3 objectives	CENNI (CEA SACLAY, IRFU), Enrico MARTINELLO (SLAC), Martina SAKAMOTO (RIKEN), Naruhiko
11:06	[66] Development of Automatic Cleaning and Assembly Systems in Clean Room at KEK	SAKAI (KEK), Hiroshi
11:18	[68] Robotic-assisted technology for assembling PIP-II SRF couplers onto cavities in cleanroom environments	NARUG (FNAL), Colin PASSARELLI (FNAL), Donato
11:30	[70] Robotization development for ESS and PIP-II projects	MADEC (CEA), Catherine
11:42	[71] Automation of Nb cavity production for rapid and wider application of this technology	MYNENI (BSCE SYSTEMS, INC.), Ganapati
11:54	[72] High Pressure Rinse Simulation Tool Applied to the SSR2 Cavity	GOWER (FRIB), Blake
12:06	[73] Robotic High Pressure Rinse Process Development for Complex Cavity Geometries Based on Simulation Tool Results	METZGAR (FRIB), Ethan
12:18	[144] Open discussion	

WG3: Novel Clean assembly techniques, in-situ mitigation, and recovery processes - Curia II (14:00 - 15:30)

-Conveners: Naruhiko Sakamoto (RIKEN); Martina Martinello (SLAC); Enrico Cenni (CEA)

time	[id] title	presenter
14:00	[74] Clean assembly of the warm section and cryo-module in the RAON accelerator tunnel	KWON (IRIS / IBS), Jangwon
14:12	[75] Strategy and installation experience for ESS SRF linac	PIERINI (ESS ERIC), Paolo
14:24	[76] Contamination prevention measures when installing the SRILAC cryomodules to a 40-years-old dirty beamline	YAMADA (RIKEN), Kazunari
14:36	[77] LCLS-II Installation Experience and Lessons Learned	GONNELLA (SLAC), Dan
14:48	[78] Particulate migration at the TRIUMF e-Linac and ISAC II superconducting linac	MAHON (TRIUMF), Aveen
15:00	[79] Open discussion	

WG3: Novel Clean assembly techniques, in-situ mitigation, and recovery processes - Curia II (16:00 - 17:30)

-Conveners: Naruhiko Sakamoto (RIKEN); Martina Martinello (SLAC); Enrico Cenni (CEA)

time	[id] title	presenter
16:00	[80] Fundamental power coupler substitution on ESS cryomodule	MADEC (CEA), Catherine

16:12	[81] Coupler exchange under local cleanroom conditions with the subsequent successful operation of a cryomodule	KASPRZAK (DESY), Karol
16:24	[82] Field emission experience with ESS cryomodule in TS2	MAIANO (ESS), Cecilia
16:36	[83] Gamma diagnostics for SRF cavities and cryomodules	CENNI (CEA), Enrico
16:48	[84] Field emission diagnostics for ESS and PIP2 project	DEL CORE (INFN LASA), Elisa
17:00	[85] Open discussion	

Wednesday, 6 December 2023

WG3: Novel clean assembly techniques, in-situ mitigation, and recovery processes - Curia II (11:00 - 12:30)

-Conveners: Martina Martinello (SLAC); Enrico Cenni (CEA); Naruhiko Sakamoto (RIKEN)

time	[id] title	presenter
11:00	[86] High-Pressure Liquid Nitrogen Cleaning	RUBER (JLAB), Roger
11:12	[87] In-situ SRF Cryomodule Beamline Service" (actual in-situ swap of cryomodule FPC cold cathode gauge, and offline FPC swap procedure verification test)	ELLIOTT (FRIB), Kyle
11:24	[88] Investigation of coupler breakdown thresholds for plasma processing of FRIB QWR with fundamental and higher order modes	TUTT (FRIB), Patrick
11:36	[89] Overview of plasma processing activities at IJCLab	CHENEY (IJCLAB), Camille
11:48	[90] Comparison between plasma cleaning and Helium processing in CEBAF cryomodules	POWERS (JLAB), Tom
12:04	[91] Degradation and Recovery of Cavity Performance in SRILAC Cryomodules at RIBF (Pulsed RF conditioning)	SAKAMOTO (RIKEN), Naruhiko
12:16	[92] Open discussion	