

2017 TESLA Technology Collaboration (TTC)

Tuesday, 21 February 2017

Working Groups: WG4: Cryomodule design, assembly and performance - Kellogg Center- 104AB (14:00 - 15:30)

time	[id] title	presenter
14:00	[37] STF-2 cryomodule - module assembly, alignment, installation	Dr YAMAMOTO, Yasuchika
14:15	[38] LCLS-II CM Mechanical Design	GRIMM, Chuck
14:30	[39] LCLS-II Assembly	ARKAN, Tug
14:45	[40] FRIB Cryomodule Design	Mr MILLER, Samuel
15:00	[41] Design of low-beta cryomodule and development at CEA	Mr BAZIN, Nicolas
15:15	[42] TBD	

Working Groups: WG1: Performance Frontier - Kellogg Center- 103AB (14:00 - 15:30)

time	[id] title	presenter
14:00	[25] Session Intro	Dr GRASELLINO, Anna RESCHKE, Detlef Prof. LIEPE, Matthias
14:05	[26] Low T N doping / N infusion cavity development at DESY	Dr WENSKAT, Marc
14:20	[27] Low T N doping understanding - samples studies (in situ XRR)	Mr DALLA LANA SEMIONE, Guilherme
14:35	[28] New insides into low temperature doping	KOUFALIS, Peter
14:55	[29] The Importance of the Electron Mean Free Path for Superconducting Radio-Frequency Cavities	Mr MANISCALCO, James
15:10	[30] Field dependence of surface resistance - experimental	Ms MARTINELLO, Martina

Working Groups: WG4: Cryomodule design, assembly and performance - Kellogg Center- 104AB (16:00 - 17:30)

time	[id] title	presenter
16:00	[43] Status of ESS medium and high beta cryomodules at CEA	Mr TRUBLET, Thierry
16:15	[120] FRIB Coldmass Assembly	Mr VICTORY, Daniel
16:30	[44] FRIB Cryomodule Assembly	Mr COMPTON, Chris
16:45	[45] Cryomodule Assembly experience - CEBAF/LCLS	DRURY, Mike
17:00	[46] Design and fabrication status of RIKEN - SC Cryomodules	Dr OZEKI, Kazutaka
17:15	[47] Summary of discussion on talks and discussion	

Working Groups: WG1: Performance Frontier - Kellogg Center- 103AB (16:00 - 17:30)

time	[id] title	presenter
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16:00	[32] Low temperature doping at FNAL	Dr GRASSELLINO, Anna
16:20	[33] JLAB doping talk	Dr PALCZEWSKI, Ari
16:40	[34] KEK doping talk	Prof. KAKO, Eiji
16:55	[35] First LCLS2 production cavity results with N doping	Dr GONNELLA, Dan
17:15	[36] Discussion	

Wednesday, 22 February 2017

Working Groups: WG1: Performance Frontier - Kellogg Center- 103AB (09:00 - 10:30)

time	[id] title	presenter
09:00	[48] Session Intro	Dr GRASSELLINO, Anna RESCHKE, Detlef Prof. LIEPE, Matthias
09:05	[49] On trapped flux losses (theory)	CHECCHIN, Mattia
09:20	[50] On variability of flux trapping (cavity, experimental)	POSEN, Sam
09:35	[51] Flux expulsion variability with vendor material batches	Dr PALCZEWSKI, Ari
09:50	[52] Vendor talk - address questions	Mr O'LAREY, Phil
10:00	[53] Vendor talk - address questions	Mr UMEZAWA, Hiroaki
10:10	[54] Vendor talk - address questions	
10:20	[55] Discussion	

Working Groups: WG4 : Cryomodule design, assembly and performance - Kellogg Center- 104AB (09:00 - 10:30)

time	[id] title	presenter
09:00	[56] LCLS-LL Installation Plans	Mr COY, Robert
09:20	[57] LCLS-II prototype tests	Dr WU, Genfa
09:35	[58] C-ADS injector cryomodule; design, assembly, and commissioning	Dr HE, Feisi
09:50	[59] Microphonic studies of CEBAF C100 and LCLS II prototype cryomodules	Mr POWERS, Tom
10:10	[60] Discussion	

Working Groups: WG4 : Cryomodule design, assembly and performance - Kellogg Center- 104AB (11:00 - 12:30)

time	[id] title	presenter
11:00	[61] FRIB Cryomodules testing experience	POPIELARSKI, John
11:20	[62] STF-2 cryomodule- heat load, x-ray, and Lorenz detuning measurements	Dr YAMAMOTO, Yasuchika
11:35	[119] Summary of talks and discussion	

Working Groups: WG1: Performance Frontier - Kellogg Center- 103AB (11:00 - 12:30)

time	[id] title	presenter
11:00	[66] Session Intro	Dr GRASSELLINO, Anna RESCHKE, Detlef Prof. LIEPE, Matthias
11:05	[67] Recent advances on high Q0 Nb3Sn cavities	Mr HALL, Daniel
11:25	[68] Insights into multilayers and new materials from muSR	Dr JUNGINGER, Tobias
11:40	[69] Thought of perfect resolution of high field Qslop with BCP'ed cavities	Ms LUO, Didi
11:55	[70] Updates on ingot niobium technology and its applications	Dr MYNENI, Ganapati

12:10	[72] Discussion	
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Working Groups: WG3: Cavities (Fabrication and Processing), Tuners and Couplers - Kellogg Center- 104AB (14:00 - 15:30)

time	[id] title	presenter
14:00	[79] XFEL cavity procurement strategy, lesson learned	RESCHKE, Detlef
14:15	[80] LCLS-II cavity procurement strategy and status	Dr PALCZEWSKI, Ari
14:30	[82] ESS cavity procurement via in-kind contributions	Dr SCHLANDER, Felix
14:45	[81] ESS high-beta cavity procurement and quality control in the UK	Mr ELLIS, Mike
15:00	[83] CEA medium/high-beta ESS cavity results	Dr BERRY, Stéphane
15:15	[84] Discussion on procurement strategies	

Working Groups: WG2: Performance degradation, care, beamline quality - Kellogg Center- 103AB (14:00 - 15:30)

time	[id] title	presenter
14:00	[73] Summary of previous meeting about VTA vs cryomodule (E-XFEL(mainly), C100, FRIB, STF2)	Dr SAKAI, Hiroshi
14:15	[74] Field emission statistics for first production LCLS2 cavities and comparison (including setups) to XFEL	Dr ADERHOLD, Sebastian
14:30	[75] STF2 Cryomodule degradation	Dr YAMAMOTO, Yasuchika
14:45	[76] IMP results about VTA vs cryomodule	LI, Yongming
15:00	[78] ANL Experience -- VTA vs cryomodule --	CONWAY, Zachary
15:15	[77] Short discussion about results of VTA vs cryomodule	

Working Groups: WG2: Performance degradation, cure, beamline quality - Kellogg Center- 103AB (16:00 - 17:30)

time	[id] title	presenter
16:00	[91] First result of LCLS2 CM, Q0 studies as function of cooldown	Dr WU, Genfa
16:15	[92] Experience with magnetic hygiene and in situ demagnetization to achieve < 2mGauss in CM	Dr CHANDRASEKARAN, Saravan
16:30	[94] Measurement of the magnetization of each component in KEK	Prof. KAKO, Eiji
16:45	[95] Long discussion about degradation after VTA	

Working Groups: WG3: Cavities (Fabrication and Processing), Tuner and Couplers - Kellogg Center- 104AB (16:00 - 17:30)

time	[id] title	presenter
16:00	[89] Production of medium beta cavities for ESS	Dr MICHELATO, Paolo
16:15	[85] Procurement of HWR for SARAF via CEA	Dr MADEC, Catherine
16:30	[86] QWR cavity fabrication, processing and VT results	Dr OZEKI, Kazutaka
16:45	[87] Production of the CADS spoke cavities and ancillaries, and lessons learned	Dr HE, Feisi

17:00	[88] Production of HWR cavity and ancillaries, and lessons learned	LI, Yongming
17:15	[90] Discussion	

Thursday, 23 February 2017

Working Groups: WG3: Cavities (Fabrication and Processing), Tuners and Couplers - Kellogg Center- 104AB (09:00 - 10:30)

time	[id] title	presenter
09:00	[96] Prototyping experience for the LHC Crab cavities	VERDÚ-ANDRÉS, Silvia
09:15	[97] Fabrications of superconducting spoke cavity for electron beam acceleration	Dr SAWAMURA, Masaru
09:30	[98] Dual asymmetric RF-cavity for FEL-design and preliminary experiments	Prof. KONOPLEV, Ivan
09:45	[100] Technical issues of QWR, HWR, and their ancillaries at RISP	Dr SHIN, ILKYOUNG
10:00	[99] Comparison of CH, QWR, HWR with performance and cost	Dr XU, Mengxin
10:15	[101] Discussion	

Working Groups: WG2: Performance degradation, cure, beamline quality - Kellogg Center- 103AB (09:00 - 10:30)

time	[id] title	presenter
09:00	[106] ReA SRF operation experience over several years	ZHAO, Qiang
09:14	[105] Performance degradation and recovery of ISAC-II quarter wave cavities during operation	JUNGINGER, Tobi
09:28	[103] Longterm operation and its care to keep performance in CEBAF (including Helium processing)	DRURY, Mike
09:42	[104] Plasma processing for SNS cryomodule	Dr KIM, SANG-HO
09:56	[102] Plasma Processing setup for LCLS2 at FNAL	Mr BERRUTTI, Paolo
10:10	[107] Discussion about effort to maintain and improve cryomodule performance	

Working Groups: WG3: Cavities (Fabrication and Processing), Tuners and Couplers - Kellogg Center- 104AB (11:00 - 12:30)

time	[id] title	presenter
11:00	[108] Multipacting free coupler design and commissioning for FRIB	
11:15	[109] FRIB HWR tuner development	Dr STARK, Sergey
11:30	[111] High power coupler design for eRHIC	CHEN, Xu
11:45	[110] LCLS-II coupler	Dr SOLYAK, Nikolay
12:00	[112] Experience of the KEK biased high power coupler operation	Prof. MITSUNOBU, shinji
12:15	[113] ILC coupler development with TiN coating free ceramics	Dr YAMAMOTO, Yasuchika

Working Groups: WG2: Performance degradation, cure, beamline quality - Kellogg Center- 103AB (11:00 - 12:30)

time	[id] title	presenter
11:00	[114] E-XFEL clean room procedure and QC steps	Dr BERRY, Stéphane

11:20	[115] Clean room procedures and QC steps that FRIB adopts for assembly of low beta CMs	Mrs POPIELARSKI, Laura
11:40	[116] Study on the choice of isolation valves for the FRIB cryomodules	OJA, Byron
11:55	[117] Presentation describing the clean room procedures and QC steps that ANL adopts for assembly of low beta CMs	CONWAY, Zachary
12:10	[118] Discussion on clean works procedure including instrumentation preparation	