

TTC2023 Meeting, Fermilab

Wednesday, 6 December 2023

WG4: Design, experience, and operation with high-beta/beta=1 cryomodules and sub-components - One West (14:00 - 15:30)

-Conveners: Dan Gonella (SLAC); Han Li (IASF); Serena Barbanotti (DESY)

time	[id] title	presenter
14:00	[114] LCLS-II Operational Experience	ADERHOLD (SLAC), Sebastian
14:15	[115] Exploring the continuous wave mode performance of the spare E-XFEL third harmonic cryomodule	KASPRZAK (DESY), Karol
14:30	[116] Elliptical ESS module tests: performances overview experienced at ESS Test Stand	MAIANO (ESS), Cecilia
14:45	[117] Development of 1.3GHz 2-cell Superconducting Accelerator Module for DALIS Injector	ZHOU (DICP), Quan
15:00	[118] Comparison on assembly and alignment procedures/standards for the different designs CEA made in the last years	BAZIN (CEA), Nicolas
15:15	[119] HBCAM alignment system for PIP-II cavities and cryomodule: design and measurements	BERNARDINI (FNAL), Jacopo

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time	[id] title	presenter
16:00	[120] Heat load measurement and analysis for SHINE 1.3 GHz cryomodules	HUANG (SHANGHAITECH UNIVERSITY), Yawei MA (SARI), Zhenyu
16:05	[121] Heat load measurement for 1.3 GHz CM at IHEP	HE (IHEP), Feisi LI (IASF), Han
16:10	[122] PIP-II cryomodules: heat loads results and challenges	OZELIS (FNAL), Joe
16:15	[123] Methods and results of heat load measurements (static/dynamic), valid for test stands and cryomodules installed in linac at ESS	ELIAS (ESS), Nuno
16:20	[124] Improved calorimetric cavity measurement techniques for the HB650 prototype cryomodule for PIP-II	HOLZBAUER (FNAL), Jeremiah
16:25	[125] Heat load measurements at LCLS-II	ZACARIAS (SLAC), Lisa
16:30	[126] Heat load measurements on STF and cERL at KEK	SAKAI (KEK), Hiroshi
16:35	[127] CEA heat loads	BAZIN (CEA), Nicolas
16:40	[128] DESY heat loads	BARBANOTTI (DESY), Serena
16:45	[129] Heat load measurements at CEBAF	DRURY (JLAB), Mike
16:50	[130] Heat load measurements at SNS	PIZZOL - ORNL, Paolo
16:55	[131] Open discussion	

Thursday, 7 December 2023

WG4: Design, experience, and operation with high-beta/beta=1 cryomodules and sub-components - One West (11:00 - 12:30)

-Conveners: Han Li (IASF); Serena Barbanotti (DESY); Dan Gonella (SLAC)

time	[id] title	presenter
11:00	[132] Fast cooldown procedure used for the PIP-II prototype HB650 cryomodule at PIP2IT	WHITE (FNAL), Michael
11:10	[133] Cooldown procedure for single-cell CM (DICP)	LI (IASF), Han DONG (IASF), Xinbo
11:20	[134] LCLS-II cool down experience (including fast cool down)	PORTER (CORNELL UNIVERSITY), Ryan
11:30	[135] Open discussion	
12:00	[136] PIP-II couplers: lessons learned transitioning from prototype to production phase	HELSPER (FNAL), Josh
12:15	[137] Manufacturing studies and RF test results of the 1.3 GHz FPCs for SHINE project	MA (SHANGHAI ADVANCED RESEARCH INSTITUTE, CAS), Zhenyu

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time	[id] title	presenter
14:00	[138] Development of 3.9 GHz/ 1.3 GHz tuner for S3FEL project & DALIS project	LI (IASF), Han ZHA (IASF), Linhong
14:15	[139] Design and fabrication of a twin-FPCs 1.3GHz 9-cell cavity	HOU (SHANGHAI ADVANCED RESEARCH INSTITUTE, CAS), Hongtao MA (SARI), Zhenyu
14:30	[140] Cryogenic operation of the FLASH linac at DESY below 0.5 bar	JENSCH (DESY), Kay
14:45	[141] Overpressure protection for the PIP-II CM beamline: design approach and resolution	PARISE (FNAL), Mattia
15:00	[142] ESS cryomodules design, PED strategy and operating experience	ELIAS (ESS), Nuno
15:15	[143] Design of PIP-II cryomodules: approach adopted for code equivalency	ROGER (FNAL), Vincent