

US-MDP Collaboration Meeting 2021

Monday, 1 March 2021

Session 3: Nb₃Sn magnets: Cos-theta (07:20 - 08:50)

-Conveners: George Velev

time	[id] title	presenter
07:20	[49] Introduction and MDPCT1 test summary and next steps	ZLOBIN, Alexander
07:50	[50] Diagnostics and analysis in MDPCT1	STOYNEV, Stoyan
08:20	[51] SMCT magnet status and next steps	NOVITSKI, Igor

Tuesday, 2 March 2021

Session 3: HTS Magnets: REBCO (09:25 - 11:35)

-Conveners: David Larbalestier

time	[id] title	presenter
09:25	[57] Introduction and review of the roadmap and milestones in the 2020 MDP document	WANG, Xiaorong
09:35	[58] REBCO technology - Part 1	GUPTA, Ramesh
09:55	[59] REBCO technology - Part 2	KASHIKHIN, Vadim
10:15	[60] REBCO technology - Part 3	WANG, Xiaorong
10:35	[61] CORC status	VAN DER LAAN, Danko
10:55	[62] HTS Magnet Discussion	

Wednesday, 3 March 2021

Session 3: SC strand and cables (materials) (09:15 - 11:45)

-Conveners: Kathleen Amm

time	[id] title	presenter
09:15	[69] Strategic goals of my GARD Program	SUMPTION, Mike
09:30	[70] Strategic goals of the FSU GARD Program	LARBALESTIER, David
09:45	[71] Bi-2212 conductor development - new thinking/design/ideas	HELLSTROM, Eric JIANG, Jianyi
10:00	[72] Bi2212 Powder Development in Support of the HTS Community	BUGARIS, Daniel
10:15	[73] Long length evaluation of REBCO with continuous in-field transport at 77K	HU, Xinbo
10:30	[74] Evaluation of $J_c(H, \theta, T)$ up to 40 T in many same-specification REBCO tapes	ABRAIMOV, Dima
10:45	[75] Magnet conductor development at SuperPower	HAZELTON, Drew
11:00	[76] Magnet conductor development at S-Innovations	MOLODYK, Alex
11:15	[107] Discussion	

Thursday, 4 March 2021

Session 3: Technology: Novel Diagnostics (08:30 - 09:20)

-Conveners: Soren Prestemon

time	[id] title	presenter
08:30	[80] Acoustic diagnostics and data analysis	MARTCHEVSKII, Maxim MARINOZZI, Vittorio
08:55	[81] Magnetic diagnostics and data analysis / ML	DIMARCO, Joseph MARTCHEVSKII, Maxim TEYBER, Reed

Session 3: Technology: Novel Diagnostics (09:35 - 10:45)

-Conveners: Soren Prestemon

time	[id] title	presenter
09:35	[82] Fiber-optic diagnostics development	BALDINI, Maria JOSHI, Piyush
09:55	[83] HTS quench detection and localization developments	MARTCHEVSKII, Maxim
10:15	[84] Electronics developments	TURQUETI, Marcos
10:35	[85] Outstanding tasks and future work	MARTCHEVSKII, Maxim

Session 3: Technology: Magnet Materials (10:45 - 11:20)

-Conveners: Soren Prestemon

time	[id] title	presenter
10:45	[86] Status of the material R&D	KRAVE, Steve SHEN, Tengming
11:05	[87] CTD R&D	HAIGHT, Andrea

Session 3: Technology: Discussion (11:20 - 12:00)

-Conveners: Soren Prestemon

Friday, 5 March 2021

Session 3: Non-GARD and associated collaborators (09:15 - 10:00)

time	[id] title	presenter
09:15	[100] Cloverleaf concept development	GUPTA, Ramesh Dr SCANLAN, Ron
09:30	[98] Example connection to fusion magnet technology	GUPTA, Ramesh
09:45	[99] Concepts for high-field dipole magnets	Prof. MCINTYRE, Peter