



# US-MDP Collaboration Meeting 2021

## Monday, March 1, 2021

### Session 3: Nb3Sn magnets: Cos-theta (7:20 AM - 8:50 AM)

-Conveners: George Velev

time	[id] title	presenter
7:20 AM	[49] Introduction and MDPCT1 test summary and next steps	ZLOBIN, Alexander
7:50 AM	[50] Diagnostics and analysis in MDPCT1	STOYNEV, Stoyan
8:20 AM	[51] SMCT magnet status and next steps	NOVITSKI, Igor

# Tuesday, March 2, 2021

## Session 3: HTS Magnets: REBCO (9:25 AM - 11:35 AM)

-Conveners: David Larbalestier

time	[id] title	presenter
9:25 AM	[57] Introduction and review of the roadmap and milestones in the 2020 MDP document	WANG, Xiaorong
9:35 AM	[58] REBCO technology - Part 1	GUPTA, Ramesh
9:55 AM	[59] REBCO technology - Part 2	KASHIKHIN, Vadim
10:15 AM	[60] REBCO technology - Part 3	WANG, Xiaorong
10:35 AM	[61] CORC status	VAN DER LAAN, Danko
10:55 AM	[62] HTS Magnet Discussion	

# Wednesday, March 3, 2021

## Session 3: SC strand and cables (materials) (9:15 AM - 11:45 AM)

-Conveners: Kathleen Amm

time	[id] title	presenter
9:15 AM	[69] Strategic goals of my GARD Program	SUMPTION, Mike
9:30 AM	[70] Strategic goals of the FSU GARD Program	LARBALESTIER, David
9:45 AM	[71] Bi-2212 conductor development - new thinking/design/ideas	HELLSTROM, Eric JIANG, Jianyi
10:00 AM	[72] Bi2212 Powder Development in Support of the HTS Community	BUGARIS, Daniel
10:15 AM	[73] Long length evaluation of REBCO with continuous in-field transport at 77K	HU, Xinbo
10:30 AM	[74] Evaluation of $J_c(H, \theta, T)$ up to 40 T in many same-specification REBCO tapes	ABRAIMOV, Dima
10:45 AM	[75] Magnet conductor development at SuperPower	HAZELTON, Drew
11:00 AM	[76] Magnet conductor development at S-Innovations	MOLODYK, Alex
11:15 AM	[107] Discussion	

# Thursday, March 4, 2021

## Session 3: Technology: Novel Diagnostics (8:30 AM - 9:20 AM)

-Conveners: Soren Prestemon

time	[id] title	presenter
8:30 AM	[80] Acoustic diagnostics and data analysis	MARTCHEVSKII, Maxim MARINOZZI, Vittorio
8:55 AM	[81] Magnetic diagnostics and data analysis / ML	DIMARCO, Joseph MARTCHEVSKII, Maxim TEYBER, Reed

## Session 3: Technology: Novel Diagnostics (9:35 AM - 10:45 AM)

-Conveners: Soren Prestemon

time	[id] title	presenter
9:35 AM	[82] Fiber-optic diagnostics development	BALDINI, Maria JOSHI, Piyush
9:55 AM	[83] HTS quench detection and localization developments	MARTCHEVSKII, Maxim
10:15 AM	[84] Electronics developments	TURQUETI, Marcos
10:35 AM	[85] Outstanding tasks and future work	MARTCHEVSKII, Maxim

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

-Conveners: Soren Prestemon

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

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

-Conveners: Soren Prestemon

# Friday, March 5, 2021

## Session 3: Non-GARD and associated collaborators (9:15 AM - 10:00 AM)

time	[id] title	presenter
9:15 AM	[100] Cloverleaf concept development	GUPTA, Ramesh Dr SCANLAN, Ron
9:30 AM	[98] Example connection to fusion magnet technology	GUPTA, Ramesh
9:45 AM	[99] Concepts for high-field dipole magnets	Prof. MCINTYRE, Peter