

US-MDP Collaboration Meeting 2021

Monday, March 1, 2021

Session 1: Introduction/Welcome (7:00 AM - 7:20 AM)

-Conveners: George Velez; Soren Prestemon

time	[id] title	presenter
7:00 AM	[2] Welcome	Dr ROE, Natalie
7:05 AM	[48] MDP collaboration meeting agenda, charge, and goals	PRESTEMON, Soren

Tuesday, March 2, 2021

Session 1: HTS Magnets: Bi2212 (7:00 AM - 8:55 AM)

-Conveners: Lance Cooley

time	[id] title	presenter
7:00 AM	[52] Facility upgrade (Renegade)	BOSQUE, Ernesto
7:20 AM	[53] Bi-2212 CCT accelerator magnets	GARCIA FAJARDO, Laura
7:50 AM	[54] Bi-2212 SMCT accelerator magnets	BARZI, emanuela
8:20 AM	[55] Cable based Bi-2212 solenoid including Rutherford cable insulation efforts	DAVIS, Daniel TROCIEWITZ, Ulf
8:40 AM	[56] A short review of Bi-2212 accelerator magnet technology: The breakthroughs we have and the further advances we need	SHEN, Tengming

Wednesday, March 3, 2021

Session 1: SC strand and cables (materials) (7:00 AM - 8:45 AM)

-Conveners: Kathleen Amm

time	[id] title	presenter
7:00 AM	[63] Our present understanding of variations in a production baseline - AUP	PONG, Ian COOLEY, Lance
7:15 AM	[64] Optimization of Sanabria HT	SEGAL, Chris
7:30 AM	[65] Emerging Nb ₃ Sn conductor	BALACHANDRAN, Shreyas XU, Xingchen
8:00 AM	[66] CPRD Nb ₃ Sn R&D status updates: Nb ₃ Sn, Bi-2212, REBCO roadmaps	COOLEY, Lance
8:15 AM	[67] Strategic goals of my GARD Program	Prof. JEWELL, Matthew
8:30 AM	[68] Strategic goals of my GARD Program	SELVAMANICKAM, Venkat

Thursday, March 4, 2021

Session 1: Technology: Training Reduction (7:00 AM - 8:30 AM)

-Conveners: Soren Prestemon

time	[id] title	presenter
7:00 AM	[77] Current status of Training Reduction studies	STOYNEV, Stoyan
7:15 AM	[78] High-Cp conductor studies	XU, Xingchen
7:30 AM	[79] High-Cp conductor applications	BARZI, emanuela
7:45 AM	[102] Modeling the stability of high-Cp Nb ₃ Sn	DAVIS, Daniel
8:00 AM	[103] How to perform reproducible and verifiable training enhancement experiments	MARTCHEVSKII, Maxim
8:10 AM	[104] Discussion	STOYNEV, Stoyan

Friday, March 5, 2021

Session 1: Technology: 20 T hybrid magnet design and comparative analysis (7:00 AM - 7:30 AM)

time	[id] title	presenter
7:00 AM	[88] Modelling work: summary and the next steps discussion	FERRACIN, Paolo

Session 1: Technology: Advanced modeling (7:30 AM - 9:00 AM)

time	[id] title	presenter
7:30 AM	[89] Current status of R&D and upcoming milestones	BROUWER, Lucas
7:40 AM	[90] Modeling of interface debonding - status and future plans	VALLONE, Giorgio
8:05 AM	[91] Uses of submodeling in SC magnets	BARZI, emanuela
8:20 AM	[92] Quench protection modeling for HTS/LTS tests	DAVIS, Daniel
8:35 AM	[93] Discussion	