

MAP HTS MAGNET WORKSHOP

Report of Contributions

Contribution ID: **0**

Type: **not specified**

Welcome Remarks

Wednesday, 30 May 2012 08:30 (10 minutes)

Presenter: Dr PALMER, Mark (Fermilab)

Session Classification: Overview Talks

Contribution ID: 1

Type: **not specified**

Overview of MAP Magnets Needs

Wednesday, 30 May 2012 08:40 (30 minutes)

Presenter: Dr PALMER, Robert B (Brookhaven National lab)

Session Classification: Overview Talks

Contribution ID: 2

Type: **not specified**

REBCO and Bi2212 coils at BNL

Wednesday, 30 May 2012 09:10 (25 minutes)

Presenter: Dr GUPTA, Ramesh (BNL)

Session Classification: High Field Magnet Development

Contribution ID: 3

Type: **not specified**

REBCO coils at NHMFL

Wednesday, 30 May 2012 09:40 (15 minutes)

Presenter: WEIJERS, Huub (NHMFL/FSU)

Session Classification: High Field Magnet Development

Contribution ID: 4

Type: **not specified**

Bi2212 coils at NHMFL

Wednesday, 30 May 2012 10:00 (15 minutes)

Presenter: TROCIEWITZ, Ulf (NHMFL/FSU)

Session Classification: High Field Magnet Development

Contribution ID: 5

Type: **not specified**

REBCO coils at FNAL

Wednesday, 30 May 2012 10:50 (15 minutes)

Presenter: LOMBARDO, Vito (Fermilab)

Session Classification: High Field Magnet Development

Contribution ID: 6

Type: **not specified**

Key Obstacles to Bi2212 and REBCO Coils, Including but Not Exclusively Quenching

Wednesday, 30 May 2012 11:30 (15 minutes)

Presenter: SCHWARTZ, Justin (NCSU)

Session Classification: High Field Magnet Development

Contribution ID: 7

Type: **not specified**

Questions

Wednesday, 30 May 2012 11:45 (5 minutes)

Session Classification: High Field Magnet Development

Contribution ID: 8

Type: **not specified**

Questions

Wednesday, 30 May 2012 09:35 (5 minutes)

Session Classification: High Field Magnet Development

Contribution ID: 9

Type: **not specified**

Questions

Wednesday, 30 May 2012 09:55 (5 minutes)

Session Classification: High Field Magnet Development

Contribution ID: **10**

Type: **not specified**

Questions

Wednesday, 30 May 2012 10:15 (5 minutes)

Session Classification: High Field Magnet Development

Contribution ID: 11

Type: **not specified**

Questions

Wednesday, 30 May 2012 11:25 (5 minutes)

Session Classification: High Field Magnet Development

Contribution ID: 12

Type: **not specified**

Questions

Wednesday, 30 May 2012 11:05 (5 minutes)

Session Classification: High Field Magnet Development

Contribution ID: 13

Type: **not specified**

Why we need both REBCO coated conductors and round wire 2212 for HTS magnets

Wednesday, 30 May 2012 13:30 (25 minutes)

Presenter: LARBALESTIER, David (National High Magnetic Field Laboratory, FSU)

Session Classification: High Field Superconductor Development

Contribution ID: 14

Type: **not specified**

Questions

Wednesday, 30 May 2012 13:55 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 15

Type: **not specified**

REBCO conductors: recent developments at U. Houston

Wednesday, 30 May 2012 14:00 (15 minutes)

Presenter: SELVAMANICKAM, Venkat (University of Houston)

Session Classification: High Field Superconductor Development

Contribution ID: 16

Type: **not specified**

Questions

Wednesday, 30 May 2012 14:15 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 17

Type: **not specified**

Processing 2212 to achieve high Je in long length coils

Wednesday, 30 May 2012 14:20 (15 minutes)

Presenter: HELLSTRON, Eric (NHMFL/FSU)

Session Classification: High Field Superconductor Development

Contribution ID: **18**

Type: **not specified**

Questions

Wednesday, 30 May 2012 14:35 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 19

Type: **not specified**

Can we develop leak-free long length 2212 wire that carries a J_e of >500 A/mm² at 20-30 T?

Wednesday, 30 May 2012 14:40 (15 minutes)

Presenter: Dr SHEN, Tengming (Fermilab)

Session Classification: High Field Superconductor Development

Contribution ID: 20

Type: **not specified**

Questions

Wednesday, 30 May 2012 14:55 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 21

Type: **not specified**

Development of textured-powder core technology for multi-filament Bi-2212 wire

Wednesday, 30 May 2012 15:00 (15 minutes)

Presenter: MCINTYRE, Peter (TAMU)

Session Classification: High Field Superconductor Development

Contribution ID: 22

Type: **not specified**

Questions

Wednesday, 30 May 2012 15:15 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 23

Type: **not specified**

Discussion

Wednesday, 30 May 2012 15:20 (30 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 24

Type: **not specified**

HEP Conductor Development Program for Nb₃Sn and Bi-2212

Wednesday, 30 May 2012 16:10 (15 minutes)

Presenter: Dr DIETDERICH, Dan (LBNL)

Session Classification: High Field Superconductor Development

Contribution ID: 25

Type: **not specified**

Questions

Wednesday, 30 May 2012 16:25 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 26

Type: **not specified**

Industry perspective on REBCO development

Wednesday, 30 May 2012 16:30 (15 minutes)

Presenter: HAZELTON, Drew (SuperPower)

Session Classification: High Field Superconductor Development

Contribution ID: 27

Type: **not specified**

Questions

Wednesday, 30 May 2012 16:45 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 28

Type: **not specified**

Industry perspective on Bi2212 development (1)

Wednesday, 30 May 2012 16:50 (15 minutes)

Presenter: Dr MIAO, Hanping (Oxford Superconducting Technology)

Session Classification: High Field Superconductor Development

Contribution ID: 29

Type: **not specified**

Questions

Wednesday, 30 May 2012 17:05 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: **30**

Type: **not specified**

Industry perspective on Bi2212 development (2)

Wednesday, 30 May 2012 17:10 (15 minutes)

Presenter: NACHTRAB, Bill (Supercon)

Session Classification: High Field Superconductor Development

Contribution ID: **31**

Type: **not specified**

Questions

Wednesday, 30 May 2012 17:25 (5 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: **32**

Type: **not specified**

Discussion

Wednesday, 30 May 2012 17:30 (30 minutes)

Session Classification: High Field Superconductor Development

Contribution ID: 33

Type: **not specified**

REBCO cables (1) - ROEBEL cables

Thursday, 31 May 2012 08:30 (15 minutes)

Presenter: SUMPTION, Mike (OSU)

Session Classification: Cables and Insulation Development

Contribution ID: 34

Type: **not specified**

Questions

Thursday, 31 May 2012 08:45 (5 minutes)

Session Classification: Cables and Insulation Development

Contribution ID: 35

Type: **not specified**

REBCO cables (2) - CORC cables

Thursday, 31 May 2012 08:50 (15 minutes)

Presenter: VAN DER LAAN, Danko (Advanced Conductor Technologies, LLC, NIST, and U. Colorado)

Session Classification: Cables and Insulation Development

Contribution ID: 36

Type: **not specified**

Questions

Thursday, 31 May 2012 09:05 (5 minutes)

Session Classification: Cables and Insulation Development

Contribution ID: 37

Type: **not specified**

Bi-2212 cable Development

Thursday, 31 May 2012 09:10 (15 minutes)

Presenter: Dr SHEN, Tengming (Fermilab)

Session Classification: Cables and Insulation Development

Contribution ID: **38**

Type: **not specified**

Questions

Thursday, 31 May 2012 09:25 (5 minutes)

Session Classification: Cables and Insulation Development

Contribution ID: 39

Type: **not specified**

Insulation for REBCO and Bi2212 conductors

Thursday, 31 May 2012 09:30 (15 minutes)

Presenter: HUNT, Andrew (nGimat Co.)

Session Classification: Cables and Insulation Development

Contribution ID: 40

Type: **not specified**

Questions

Thursday, 31 May 2012 09:45 (5 minutes)

Session Classification: Cables and Insulation Development

Contribution ID: 41

Type: **not specified**

Discussion

Thursday, 31 May 2012 09:50 (25 minutes)

Session Classification: Cables and Insulation Development

Contribution ID: 42

Type: **not specified**

Findings from the use of Bi-2212 in Wind-and-React sub-scale racetrack coils

Wednesday, 30 May 2012 11:10 (15 minutes)

Presenter: GODEKE, Arno (LBNL)

Session Classification: High Field Magnet Development

Contribution ID: 43

Type: **not specified**

Discussion

Wednesday, 30 May 2012 11:50 (30 minutes)

Session Classification: High Field Magnet Development