

HFM annual meeting 2023

Monday, 30 October 2023 - Thursday, 2 November 2023

CERN



Book of Abstracts

Contents

Discussion	1
Welcome and introduction	1
HFM Collaboration Board meeting	1
HFM visit of facilities	1
HFM Programme	1
WP1.1 - Nb3Sn conductors for high field magnets - CERN	1
WP1.3 - Nb3Sn wire development by Internal Oxidation - UNIGE	1
WP1.2 - R&D on optimisation of Nb3Sn microstructure and pinning - BAF	2
WP2.1 - R&D on accelerator grade HTS REBCO conductors - KIT	2
WP2.2 - HTS REBCO tapes, cables and associated technologies - CERN	2
FCC Feasibility Study	2
Muon Collider Study	2
WP2.3 - HTS conductors - UNIGE	2
WP2.5 - Demonstrator of the dielectric-insulated REBCO high field magnet coils - CERN	3
University of Twente - Future plans	3
Conclusions	3
Status and plans for high-field magnet technology in Japan	3
WP3.1 - Nb3Sn robust performance double aperture 12T $\cos\Theta$ dipole models - CERN . .	3
WP3.2 - Nb3Sn single aperture $\cos\Theta$ bladder & keys 12T FALCON D dipole model - INFN	3
WP3.3 - Nb3Sn robust performance 12T long dipole prototype - CERN	3
WP3.4 - Nb3Sn magnet Technology Development Program (TDP) - CERN	4
WP3.5 - Nb3Sn ultimate performance dipole models - CERN	4
WP3.6, WP3.12- Nb3Sn ultimate performance R2D2 racetrack dipole demonstrator - CEA	4

WP3.7 - Nb3Sn ultimate performance common coil dipole demonstrator - CIEMAT	4
WP3.8 - Nb3Sn ultimate performance coil stress management dipole model - PSI/CHART	4
WP3.12 - KE5655 CEA collaboration on Nb3Sn ultimate performance R2D2 racetrack dipole demonstrator	4
Status and plans of the US Magnet Development Program	5
USA talk 2	5
WP4.1 - Model based systems engineering - software tools for design and measurements for HFM - CERN	5
WP4.2 - Structural materials for HFM magnets - CERN	5
WP4.3 - Insulation materials for HFM magnet coils and conductors - CERN	5
WP4.4 - R&D on impregnation materials for HFM magnet coils - ETHZ/CHART	5
WP4.5 - Quench detection, protection and diagnostic methods for Nb3Sn and HTS high-field magnets - CERN	6
WP4.6 - Cryogenic and thermal management studies for HFM magnets - CERN	6
HFM infrastructure needs at CERN	6
The IRIS infrastructure in Italy	6
WP5.3 - Infrastructure needs for demonstrator and short magnet models - CERN	6
WP5.4 - Infrastructure needs for the construction of full-scale prototypes - CERN	6
WP5.5 - Instrumentation and measurement equipment needs for the HFM R&D programme - CERN	7
WP6.1 - Scientific and societal impact of the HFM R&D - CERN	7
RD1 summary and conclusion	7
RD 2 summary and conclusion	7
RD3 summary and conclusion	7
RD4 summary and conclusion	7
RD5 summary and conclusion	7
WP3.7 - Nb3Sn ultimate performance common coil dipole demonstrator - CIEMAT	7
Progress Report on the PSI CHART LTS and Hybrid HFM Roadmap - PSI	8
WP3.12 - Nb3Sn ultimate performance R2D2 racetrack dipole demonstrator - CEA	8
WP3.1 - Nb3Sn robust performance double aperture 12T cos Θ dipole models - CERN . . .	8
WP3.2 - Nb3Sn single aperture cos Θ bladder & keys 12T FALCON D dipole model - INFN	8

WP4.4 - Determination of deformation via image-based measurements and design of epoxy systems for Nb3Sn Rutherford cables - ETHZ/CHART	8
WP4.5 - Quench detection, protection and diagnostic methods for Nb3Sn and HTS high-field magnets - CERN	8
WP4.6 - Cryogenic and thermal management studies for HFM magnets - CERN	9
HFM infrastructure needs at CIEMAT	9
HFM infrastructure needs at PSI	9
HFM infrastructure needs at CEA	9
WP2.11 - Demonstrator of the metal-insulated REBCO high field magnet coils - CEA	9
WP2.15 - Plans for the development of Iron Based Superconducting wire - CNR-SPIN	9
RD1 Introduction	10
additional topic	10
additional topic	10
RD3 - Introduction	10
Additional topic 1	10
Additional topic 2	10
Overall conclusions and next steps	10
Badge collection in B55	11
RD4 - Introduction	11
RD5 Introduction	11
Introduction	11
RD2 Introduction	11
WP6.1 - Scientific and societal impact of the HFM R&D - CERN	11
HFM budget and financial situation	11
HFM Master Plan	12
RD1 Discussion and summary	12
RD 2 Discussion and summary	12
WP2.7 - R&D on HTS conductors, cables and coils - Un. of Twente	12
RD3 Discussion and summary	12
Progress in materials and processes at PSI	12

RD4 Discussion and summary	12
RD5 - Discussion and summary	12
RD6 - Discussion and summary	13
Transient effects in tape-stack cable and the PSI roadmap towards HTS HFMs - PSI . . .	13
PSI - future plans (Nb ₃ Sn)	13
Status and plans for high-field magnet technology in China	13
INFN program on HTS R&D an 10 T dipole	13
US MDP high-field Nb ₃ Sn cos-theta dipole magnet with stress management	13
HFM instrumentation needs at CERN	13
HFM organization and operation	14
Panel discussion	14
Close out session	14
Progress in materials and processes	14
14-16 T dipole costheta magnets - INFN	14
A new ductile, tougher resin for impregnation of superconducting magnets - Fermilab .	14
Recent activities on REBCO and IBS materials - at ENEA	14
UHF solenoids for the Muon Collider - CERN	15
HFM Annual Meeting Organization	15

55

Discussion

56

Welcome and introduction

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57

HFM Collaboration Board meeting

Conference room: 30/7-010

Indico page will be created

58

HFM visit of facilities

Plenary session / 59

HFM Programme

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RD1 - Nb3Sn Conductors / 60

WP1.1 - Nb3Sn conductors for high field magnets - CERN

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RD1 - Nb3Sn Conductors / 61

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RD1 - Nb₃Sn Conductors / 62

WP1.2 - R&D on optimisation of Nb₃Sn microstructure and pinning - BAF

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RD2 - HTS Conductors and HTS Magnet Technologies / 63

WP2.1 - R&D on accelerator grade HTS REBCO conductors - KIT

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RD2 - HTS Conductors and HTS Magnet Technologies / 64

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Plenary session / 65

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Plenary session / 66

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RD2 - HTS Conductors and HTS Magnet Technologies / 67

WP2.3 - HTS conductors - UNIGE

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RD2 - HTS Conductors and HTS Magnet Technologies / 68

WP2.5 - Demonstrator of the dielectric-insulated REBCO high field magnet coils - CERN

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RD2 - HTS Conductors and HTS Magnet Technologies / 69

University of Twente - Future plans

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70

Conclusions

Plenary session / 71

Status and plans for high-field magnet technology in Japan

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RD3 - Nb₃Sn Magnets / 72

WP3.1 - Nb₃Sn robust performance double aperture 12T cos Θ dipole models - CERN

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RD3 - Nb₃Sn Magnets / 73

WP3.2 - Nb₃Sn single aperture cos Θ bladder & keys 12T FALCON D dipole model - INFN

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RD3 - Nb3Sn Magnets / 75

WP3.4 - Nb3Sn magnet Technology Development Program (TDP) - CERN

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RD3 - Nb3Sn Magnets / 76

WP3.5 - Nb3Sn ultimate performance dipole models - CERN

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RD3 - Nb3Sn Magnets / 77

WP3.6, WP3.12- Nb3Sn ultimate performance R2D2 racetrack dipole demonstrator - CEA

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RD3 - Nb3Sn Magnets / 78

WP3.7 - Nb3Sn ultimate performance common coil dipole demonstrator - CIEMAT

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RD3 - Nb3Sn Magnets / 79

WP3.8 - Nb3Sn ultimate performance coil stress management dipole model - PSI/CHART

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RD3 - Nb3Sn Magnets / 80

WP3.12 - KE5655 CEA collaboration on Nb3Sn ultimate performance R2D2 racetrack dipole demonstrator

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Plenary session / 81

Status and plans of the US Magnet Development Program

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RD3 - Nb3Sn Magnets / 82

USA talk 2

RD4 - Modelling Tools, Materials Protection and Cryogenics / 83

WP4.1 - Model based systems engineering - software tools for design and measurements for HFM - CERN

RD4 - Modelling Tools, Materials Protection and Cryogenics / 84

WP4.2 - Structural materials for HFM magnets - CERN

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WP4.3 - Insulation materials for HFM magnet coils and conductors - CERN

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 86

WP4.4 - R&D on impregnation materials for HFM magnet coils - ETHZ/CHART

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 87

WP4.5 - Quench detection, protection and diagnostic methods for Nb3Sn and HTS high-field magnets - CERN

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 88

WP4.6 - Cryogenic and thermal management studies for HFM magnets - CERN

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RD5 - Infrastructures and Measurement Techniques / 89

HFM infrastructure needs at CERN

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RD5 - Infrastructures and Measurement Techniques / 90

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RD5 - Infrastructures and Measurement Techniques / 91

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RD5 - Infrastructures and Measurement Techniques / 92

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WP5.5 - Instrumentation and measurement equipment needs for the HFM R&D programme - CERN

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RD6 Forum - Scientific and Societal Impact Forum / 94

WP6.1 - Scientific and societal impact of the HFM R&D - CERN

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95

RD1 summary and conclusion

96

RD 2 summary and conclusion

97

RD3 summary and conclusion

98

RD4 summary and conclusion

99

RD5 summary and conclusion

RD3 - Nb3Sn Magnets / 100

WP3.7 - Nb₃Sn ultimate performance common coil dipole demonstrator - CIEMAT

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RD3 - Nb₃Sn Magnets / 101

Progress Report on the PSI CHART LTS and Hybrid HFM Roadmap - PSI

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RD3 - Nb₃Sn Magnets / 102

WP3.12 - Nb₃Sn ultimate performance R2D2 racetrack dipole demonstrator - CEA

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RD3 - Nb₃Sn Magnets / 103

WP3.1 - Nb₃Sn robust performance double aperture 12T cos Θ dipole models - CERN

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RD3 - Nb₃Sn Magnets / 104

WP3.2 - Nb₃Sn single aperture cos Θ bladder & keys 12T FALCON D dipole model - INFN

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 105

WP4.4 - Determination of deformation via image-based measurements and design of epoxy systems for Nb₃Sn Rutherford cables - ETHZ/CHART

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 106

WP4.5 - Quench detection, protection and diagnostic methods for Nb₃Sn and HTS high-field magnets - CERN

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 107

WP4.6 - Cryogenic and thermal management studies for HFM magnets - CERN

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RD5 - Infrastructures and Measurement Techniques / 109

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RD5 - Infrastructures and Measurement Techniques / 110

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RD2 - HTS Conductors and HTS Magnet Technologies / 111

WP2.11 - Demonstrator of the metal-insulated REBCO high field magnet coils - CEA

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RD2 - HTS Conductors and HTS Magnet Technologies / 112

WP2.15 - Plans for the development of Iron Based Superconducting wire - CNR-SPIN

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RD1 - Nb₃Sn Conductors / 113

RD1 Introduction

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RD1 - Nb₃Sn Conductors / 114

additional topic

RD1 - Nb₃Sn Conductors / 115

additional topic

RD3 - Nb₃Sn Magnets / 116

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RD3 - Nb₃Sn Magnets / 117

Additional topic 1

RD3 - Nb₃Sn Magnets / 118

Additional topic 2

119

Overall conclusions and next steps

120

Badge collection in B55

RD4 - Modelling Tools, Materials Protection and Cryogenics / 121

RD4 - Introduction

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RD5 - Infrastructures and Measurement Techniques / 122

RD5 Introduction

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RD6 Forum - Scientific and Societal Impact Forum / 123

Introduction

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RD2 - HTS Conductors and HTS Magnet Technologies / 124

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125

WP6.1 - Scientific and societal impact of the HFM R&D - CERN

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Cost and Schedule / 126

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Cost and Schedule / 127

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RD1 - Nb₃Sn Conductors / 128

RD1 Discussion and summary

RD2 - HTS Conductors and HTS Magnet Technologies / 129

RD 2 Discussion and summary

RD2 - HTS Conductors and HTS Magnet Technologies / 130

WP2.7 - R&D on HTS conductors, cables and coils - Un. of Twente

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RD3 - Nb₃Sn Magnets / 131

RD3 Discussion and summary

RD4 - Modelling Tools, Materials Protection and Cryogenics / 132

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 133

RD4 Discussion and summary

RD5 - Infrastructures and Measurement Techniques / 134

RD5 - Discussion and summary

RD6 Forum - Scientific and Societal Impact Forum / 135

RD6 - Discussion and summary

RD2 - HTS Conductors and HTS Magnet Technologies / 136

Transient effects in tape-stack cable and the PSI roadmap towards HTS HFMs - PSI

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RD3 - Nb₃Sn Magnets / 137

PSI - future plans (Nb₃Sn)

Plenary session / 138

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RD2 - HTS Conductors and HTS Magnet Technologies / 139

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HFM Organization/panel discussion / 142

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HFM Organization/panel discussion / 143

Panel discussion

144

Close out session

HFM Organization/panel discussion / 145

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14-16 T dipole costheta magnets - INFN

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RD4 - Modelling Tools, Materials Protection and Cryogenics / 147

A new ductile, tougher resin for impregnation of superconducting magnets - Fermilab

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RD2 - HTS Conductors and HTS Magnet Technologies / 148

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RD2 - HTS Conductors and HTS Magnet Technologies / 149

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150

HFM Annual Meeting Organization

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