TTC Meeting at SLAC, December 1 - 4, 2015

Report of Contributions

https://indico.desy.de/e/12628

Contribution ID: **0** Type: **not specified**

test

Contribution ID: **1** Type: **not specified**

Doping: introduction

Contribution ID: **2** Type: **not specified**

Q&A

Contribution ID: **3** Type: **not specified**

Dependence of superconducting parameters on the field

Contribution ID: **4** Type: **not specified**

Possible field dependence of superconducting gap for N-doped cavities

Contribution ID: **5** Type: **not specified**

Model for the field dependence

Contribution ID: **6** Type: **not specified**

Insight from BCS fitting at different fields

Contribution ID: **7** Type: **not specified**

Microwave field-induced suppression of Rs in dirty niobium

Contribution ID: **8** Type: **not specified**

Possible unoptimal doping

Contribution ID: **9** Type: **not specified**

DISCUSSION

Contribution ID: **10** Type: **not specified**

Intro: realistic magnetic fields in accelerators

Wednesday, 2 December 2015 09:00 (15 minutes)

Presenter: CHANDRASEKARAN, Saravan (Fermilab)

Session Classification: WG1 - High Q, Conveners: A Romanenko (FNAL), F. Furuta (Cornell), K. Umemori (KEK)

Contribution ID: **11** Type: **not specified**

Q&A

Wednesday, 2 December 2015 09:15 (15 minutes)

Session Classification: WG1 - High Q, Conveners: A Romanenko (FNAL), F. Furuta (Cornell), K. Umemori (KEK)

Contribution ID: **12** Type: **not specified**

Flux expulsion for different cavity materials and treatments

Wednesday, 2 December 2015 09:30 (25 minutes)

Presenter: POSEN, Sam (Fermilab)

Session Classification: WG1 - High Q, Conveners: A Romanenko (FNAL), F. Furuta (Cornell), K. Umemori (KEK)

Contribution ID: **13** Type: **not specified**

Model to explain the observed flux expulsion dependence on the thermal gradient

Wednesday, 2 December 2015 09:55 (25 minutes)

Presenter: KUBO, Takayuki (KEK)

Session Classification: WG1 - High Q, Conveners: A Romanenko (FNAL), F. Furuta (Cornell), K. Umemori (KEK)

Contribution ID: **14** Type: **not specified**

Trapped flux dissipation for different surface treatments: results and model

Wednesday, 2 December 2015 10:20 (25 minutes)

Presenter: MARTINELLO, Martina (Fermilab)

Session Classification: WG1 - High Q, Conveners: A Romanenko (FNAL), F. Furuta (Cornell), K. Umemori (KEK)

Contribution ID: **15** Type: **not specified**

Model for the trapped flux dissipation for different values of mfp

Contribution ID: **16** Type: **not specified**

Dissipative motion of trapped flux and its relation to the mean free path

Wednesday, 2 December 2015 10:45 (25 minutes)

Presenter: GUREVICH, Alex (Old Dominion University)

Session Classification: WG1 - High Q, Conveners: A Romanenko (FNAL), F. Furuta (Cornell), K. Umemori (KEK)

Contribution ID: **17** Type: **not specified**

DISCUSSION

Wednesday, 2 December 2015 11:10 (25 minutes)

Session Classification: WG1 - High Q, Conveners: A Romanenko (FNAL), F. Furuta (Cornell), K. Umemori (KEK)

Contribution ID: **18** Type: **not specified**

Welcome + Introduction

Wednesday, 2 December 2015 14:00 (5 minutes)

Presenters: RESCHKE, Detlef (DESY); ZHAI, Jiyuan (IHEP); MCINTOSH, Peter (peter.mcintosh@stfc.ac.uk); BOUSSON, Sebastien (IPN Orsay)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **19** Type: **not specified**

Session 1: Feedback from industry about cavity production: Industrial perspective on working with scientific customers

Wednesday, 2 December 2015 14:05 (5 minutes)

Presenters: RESCHKE, Detlef (DESY); MCINTOSH, Peter (peter.mcintosh@stfc.ac.uk); BOUSSON, Sebastien (IPN Orsay)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **20** Type: **not specified**

Organization

Contribution ID: **21** Type: **not specified**

Session 1, Talk 1 of 3: RI's view on cavity production (European XFEL, ⋯)

Wednesday, 2 December 2015 14:10 (15 minutes)

Presenter: PEKELER, Michael (RI Research Instruments GmbH)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **22** Type: **not specified**

EZ's view on cavity production (European XFEL, SNS, …) incl. 00:05 min questions

Contribution ID: **23** Type: **not specified**

Session 1, Talk 2 of 3: PAVAC's view on cavity production(FRIB, ⋯) incl. 00:05 min questions

Wednesday, 2 December 2015 14:25 (15 minutes)

Presenter: EDINGER, Ralf (Pavac Industries, Inc.)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **24** Type: **not specified**

Session 1, Talk 3 of 3: MHI's view on cavity production

Wednesday, 2 December 2015 14:40 (15 minutes)

Presenter: SENNYU, Katsuya (MHI-MS)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **25** Type: **not specified**

Discussion

Wednesday, 2 December 2015 14:55 (20 minutes)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **26** Type: **not specified**

Coffee Break

Wednesday, 2 December 2015 15:15 (30 minutes)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **27** Type: **not specified**

Performance of LG and FG dressed cavities in XFEL cryomodules

Wednesday, 2 December 2015 15:45 (30 minutes)

Presenter: SEKUTOWICZ, Jacek (DESY)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **28** Type: **not specified**

HWR015 and HWR030 cavities for C-ADS (incl. 00:05 min questions)

Wednesday, 2 December 2015 16:15 (15 minutes)

Presenter: LI, Yongming (Institute of Modern Physics, Chinese Academy of Sciences)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **29** Type: **not specified**

Production of high purity niobium for SRF accelerators (incl. 00:05 min questions)

Wednesday, 2 December 2015 16:30 (15 minutes)

Presenter: NAGATA, Tomohiro (ULVAC Inc.)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **30** Type: **not specified**

Fabrication and evaluation of low RRR large grain single cell cavity (incl. 00:05 min questions)

Wednesday, 2 December 2015 16:45 (15 minutes)

Presenter: YAMANAKA, Masashi (KEK)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **31** Type: **not specified**

Niobium materials with large grain and fine grain at Tokyo Denkai (incl. 00:05 minutes questions)

Wednesday, 2 December 2015 17:00 (15 minutes)

Presenter: UMEZAWA, Hiroaki (Tokyo Denkai Co., Ltd.)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **32** Type: **not specified**

Introduction

Thursday, 3 December 2015 09:00 (5 minutes)

Presenters: MONTESINOS, Eric (CERN); PARARELLA, Rocco (INFN Milano); KAABI, Walid (LAL-CNRS); PISCHALNIKOV, Yuriy (Fermilab)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **33** Type: **not specified**

ADS Spoke cavities

Thursday, 3 December 2015 09:05 (15 minutes)

Presenter: MI, Zhenghui (Institute of High Energy Physics, Chinese Academy of Sciences)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **34** Type: **not specified**

ESS & Spiral 2

Thursday, 3 December 2015 09:20 (20 minutes)

Presenter: GANDOLFO, Nicolas (IPN Orsay)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **35** Type: **not specified**

cERL

Thursday, 3 December 2015 09:40 (15 minutes)

Presenter: UMEMORI, Kensei (KEK)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **36** Type: **not specified**

STF

Thursday, 3 December 2015 09:55 (15 minutes)

Presenter: YAMAMOTO, Yasuchika (KEK)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **37** Type: **not specified**

CEBAF&SNS

Thursday, 3 December 2015 10:10 (15 minutes)

Presenter: DALY, Edward (Jefferson Lab)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **38** Type: **not specified**

SNS experience

Thursday, 3 December 2015 10:25 (15 minutes)

Presenter: MAMMOSSER, John (ORNL/SNS)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **39** Type: **not specified**

XFEL tuner assembly experience

Thursday, 3 December 2015 10:40 (20 minutes)

Presenter: TRUBLET, Thierry (CEA Saclay)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **40** Type: **not specified**

XFEL 3.9GHz & 1.3GHz tuner

Thursday, 3 December 2015 11:00 (20 minutes)

Presenter: PAPARELLA, Rocco (INFN Milano)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **41** Type: **not specified**

LCLS II tuner/lifetime tests

Thursday, 3 December 2015 11:20 (15 minutes)

Presenter: PISCHALNIKOV, Yuriy (Fermilab)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **42** Type: **not specified**

DISCUSSION

Thursday, 3 December 2015 11:35 (25 minutes)

Session Classification: WG 4 - FP Tuners, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **43** Type: **not specified**

Introduction

Contribution ID: **44** Type: **not specified**

LCLS-II challenges

Contribution ID: **45** Type: **not specified**

FPC out-gassing

Contribution ID: **46** Type: **not specified**

Experience of FPC mass production

Contribution ID: **47** Type: **not specified**

XFEL coupler Mass production at LAL

Contribution ID: **48** Type: **not specified**

CPI experience

Presenter: TREADO, Todd

Contribution ID: **49** Type: **not specified**

Introduction

Wednesday, 2 December 2015 14:00 (5 minutes)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **50** Type: **not specified**

LCLS-II challenges

Wednesday, 2 December 2015 14:05 (15 minutes)

Presenter: ADOLPHSEN, Chris (SLAC National Accelerator Laboratory)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **51** Type: **not specified**

FPC out-gassing

Wednesday, 2 December 2015 14:20 (15 minutes)

Presenter: STIRBET, Mircea (JLab)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **52** Type: **not specified**

Experience of FPC mass production

Wednesday, 2 December 2015 14:35 (15 minutes)

Presenter: SIERRA, Serge

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **53** Type: **not specified**

XFEL coupler Mass production at LAL

Wednesday, 2 December 2015 14:50 (15 minutes)

Presenter: KAABI, Walid (LAL)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **54** Type: **not specified**

CPI experience

Wednesday, 2 December 2015 15:05 (15 minutes)

Presenter: TREADO, Todd (CPI)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **55** Type: **not specified**

TTF-III like coupler R&D in IMP

Wednesday, 2 December 2015 15:20 (15 minutes)

Presenter: LI, Yongming (IMP)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **56** Type: **not specified**

SNS

Wednesday, 2 December 2015 15:50 (15 minutes)

Presenter: MAMMOSSER, John (ORNL)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **57** Type: **not specified**

Performance for STF-II coupler in STF-2 Cryomodule / R&D for 40mm STF coupler for the ILC

Wednesday, 2 December 2015 16:05 (15 minutes)

Presenter: YAMAMOTO, Yasuchka (KEK)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **58** Type: **not specified**

Manufacturing of the IFMIF FPC

Wednesday, 2 December 2015 16:20 (15 minutes)

Presenter: JENHANI, Hassen (CEA)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **59** Type: **not specified**

Detachable coupler

Wednesday, 2 December 2015 16:35 (15 minutes)

Presenter: XIE, Yi (FNAL)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **60** Type: **not specified**

HIE-Isolde FPC

Wednesday, 2 December 2015 16:50 (15 minutes)

Presenter: MIYASAKI, Akira (CERN)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **61** Type: **not specified**

TETD’s fabrication experiences

Contribution ID: **62** Type: **not specified**

TETD's fabrication experiences

Wednesday, 2 December 2015 17:05 (10 minutes)

Presenter: YUSHIRO, Osamu (Toshiba)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **63** Type: **not specified**

Discussion

Wednesday, 2 December 2015 17:20 (15 minutes)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **64** Type: **not specified**

Break

Wednesday, 2 December 2015 15:35 (15 minutes)

Session Classification: WG 4 - FP Couplers, Conveners: Y. Pischnalnikov (FNAL), R. Paparella (INFN), W. Kaabi (LAL), E. Montesinos (CERN)

Contribution ID: **65** Type: **not specified**

Cryomodule Development & Integration Experience

Presenters: GE, Rui (IHEP); PATTALWAR, Shrikant (STFC Daresbury); TRUBLET, Thierry (CEA)

Contribution ID: **66** Type: **not specified**

Cryomodule Performance including Degradation

Presenter: YAMAMOTO, Kirk (KEK)

Contribution ID: **67** Type: **not specified**

Cryomodule Performance including Degradation

Presenters: MIYAZAKI, Akira (CERN); MAMMOSSER, J. (SNS); YAMAMOTO, Kirk (KEK); WALKER, Nick (DESY); BERRY, Stéphane (CEA)

Contribution ID: **68** Type: **not specified**

Materials issues

Presenters: NAKAI, Hirotaka (KEK); KALUZNY, Josh (FNAL); BERRY, Stéphane (CEA); TRUBLET, Thierry (CEA)

Contribution ID: **69** Type: **not specified**

Installation and Rework/Remediation issues

Presenters: JENSCH, K. (DESY); BERRY, Stéphane (CEA)

Contribution ID: **70** Type: **not specified**

Summary of WG-3

Contribution ID: **71** Type: **not specified**

Doping: introduction

Tuesday, 1 December 2015 14:00 (15 minutes)

Presenter: ROMANENKO, A. (Fermilab)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **72** Type: **not specified**

Q&A

Tuesday, 1 December 2015 14:15 (15 minutes)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **73** Type: **not specified**

Dependence of superconducting parameters on the field

Tuesday, 1 December 2015 14:30 (25 minutes)

Presenter: PALCZEWSKI, Ari (JLab)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **74** Type: **not specified**

Possible field dependence of superconducting gap for N-doped cavities

Tuesday, 1 December 2015 14:55 (25 minutes)

Presenter: GONNELLA, D. (Cornell)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **75** Type: **not specified**

Model for the field dependence

Tuesday, 1 December 2015 15:20 (25 minutes)

Presenter: XIAO, B. (BNL)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **76** Type: **not specified**

Insight from BCS fitting at different fields

Tuesday, 1 December 2015 15:45 (25 minutes)

Presenter: CHECCHIN, M. (FNAL)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **77** Type: **not specified**

Microwave field-induced suppression of Rs in dirty niobium

Tuesday, 1 December 2015 16:10 (25 minutes)

Presenter: GUREVICH, A. (ODU)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **78** Type: **not specified**

Possible unoptimal doping

Tuesday, 1 December 2015 16:35 (25 minutes)

Presenter: UMEMORI, K. (KEK)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **79** Type: **not specified**

DISCUSSION

Tuesday, 1 December 2015 17:00 (30 minutes)

Session Classification: WG 1 : High-Q - Conveners: A. Romanenko (FNAL), F. Furuta (Cornell - TBC), K. Umemori (KEK) (30 min coffee Break incl.)

Contribution ID: **80** Type: **not specified**

Cryomodule Development & Integration Experience: Introduction

Tuesday, 1 December 2015 14:00 (10 minutes)

Presenters: HARMS, Elvin (Fermilab); Prof. NAKAI, Hirotaka (KEK); PREBLE, Joe (JLab); Mr BERRY, Stéphane (CEA-Saclay)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **81** Type: **not specified**

Cryomodule Development & Integration Experience: Cryomodule Development for C-ADS Injector I

Tuesday, 1 December 2015 14:10 (15 minutes)

Presenter: GE, Rui (IHEP)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **82** Type: **not specified**

Cryomodule Development & Integration Experience: Essential factors for improving reliability in cryomodule assembly

Tuesday, 1 December 2015 14:25 (15 minutes)

Presenter: TRUBLET, thierry (CEA Saclay)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **83** Type: **not specified**

Cryomodule Development & Integration Experience: Horizontal Tests in a Vertical Cryostat for qualifying ESS high-Beta dressed cavities

Tuesday, 1 December 2015 14:40 (15 minutes)

Presenter: PATTALWAR, Shrikan (STFC Daresbury)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **84** Type: **not specified**

Cryomodule Development & Integration Experience: Discussion (all)

Tuesday, 1 December 2015 14:55 (20 minutes)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **85** Type: **not specified**

Cryomodule Performance including Degradation: Ongoing measurements cavity results in STF cryomodules

Tuesday, 1 December 2015 15:15 (30 minutes)

Presenter: YAMAMOTO, Kirk (KEK)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **86** Type: **not specified**

Cryomodule Performance including Degradation: Measurements of the cavities for the 2nd HIE-ISOLDE cryomodule

Presenter: MIYAZAKI, Akira (CERN)

Contribution ID: **87** Type: **not specified**

Cryomodule Performance including Degradation: Cause of performance degradation in Linac operation at SNS

Tuesday, 1 December 2015 15:45 (15 minutes)

Presenter: Mr MAMMOSSER, John (ORNL/SNS)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **88** Type: **not specified**

Cryomodule Performance including Degradation: Clean room assembly process vs. XFEL cryomodule performances

Tuesday, 1 December 2015 16:00 (15 minutes)

Presenter: Mr BERRY, Stéphane (CEA-Saclay)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **89** Type: **not specified**

Cryomodule Performance including Degradation: Comparison of Cavity Performance in XFEL Cryomodules

Tuesday, 1 December 2015 16:15 (15 minutes)

Presenter: Dr WALKER, Nicholas (DESY)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **90** Type: **not specified**

Cryomodule Performance including Degradation: Discussion (all)

Tuesday, 1 December 2015 16:30 (45 minutes)

Session Classification: WG 3 : Cryomodule - Conveners: E. Harms (FNAL), H. Nakai (KEK), J. Preble (Jlab), S. Berry (CEA) (30 minutes Coffee Break incl.)

Contribution ID: **91** Type: **not specified**

Materials issues: Helium circuit/vessel material

Presenter: Prof. NAKAI, Hirotaka (KEK)

Contribution ID: **92** Type: **not specified**

Materials issues: Titanum welding with pure Argon versus Argon+Helium

Presenter: Mr BERRY, Stéphane (CEA-Saclay)

Contribution ID: **93** Type: **not specified**

Materials issues: Helium circuit/vessel material

Wednesday, 2 December 2015 09:00 (15 minutes)

Presenter: NAKAI, Hirotaka (KEK)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **94** Type: **not specified**

Materials issues: Titanum welding with pure Argon versus Argon+Helium

Wednesday, 2 December 2015 09:15 (15 minutes)

Presenter: Mr BERRY, Stéphane (CEA-Saclay)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **95** Type: **not specified**

Materials issues: Incoming inspection of component: cold mass example

Wednesday, 2 December 2015 09:30 (15 minutes)

Presenter: TRUBLET, thierry (CEA Saclay)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **96** Type: **not specified**

Materials issues: TBC

Wednesday, 2 December 2015 09:45 (15 minutes)

Presenter: KALUZNY, Joshua (FNAL)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **97** Type: **not specified**

Materials issues: Discussion (all)

Wednesday, 2 December 2015 10:00 (30 minutes)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **98** Type: **not specified**

Installation and Rework/Remediation issues: Difficulties during cryomodule installation into the E-XFEL tunnel

Wednesday, 2 December 2015 10:30 (15 minutes)

Presenter: Mr JENSCH, Kay (DESY)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **99** Type: **not specified**

Other topics: Beam vacuum leak repair without schedule impact (XM46)

Wednesday, 2 December 2015 10:45 (15 minutes)

Presenter: Mr BERRY, Stéphane (CEA-Saclay)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **100** Type: **not specified**

Discussion (All)

Wednesday, 2 December 2015 11:00 (45 minutes)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **101** Type: **not specified**

Summary of WG-3: Discussion (All)

Wednesday, 2 December 2015 11:45 (45 minutes)

Session Classification: WG 3 - Cryomodule, Conveners: E. Harms (FNAL), H. Nankai (KEK), J. Preble (JLAB), S. Berry (CEA)

Contribution ID: **102** Type: **not specified**

Cavity Testing: Radiation, Dark current, Processing, Degradation, ⋯

Thursday, 3 December 2015 09:00 (3h 30m)

Organisation:
A) Instrumentation; Limits; Procedures
B) Results incl. Reprocessing

Presenters: RESCHKE, Detlef (DESY); ZHAI, Jiyuan (Institute of High Energy Physics, Chinese Academy of Sciences); MCINTOSH, Peter (STFC Daresbury Laboratory); BOUSSON, Sebastien (IPN Orsay)

Session Classification: WG 2 - Cavity, Conveners: D. Reschke (DESY), P. McIntosh (STFC), S. Bousson (IPN-Orsay), J. Zhai (IHEP)

Contribution ID: **103** Type: **not specified**

Lab Contributions about A) Instrumentation; Limits; Procedures incl. Discussion

Presenters: RESCHKE, Detlef (DESY); FURUTA, Fumio (Cornell University); MAMMOSSER, John (ORNL/SNS); UMEMORI, Kensei (KEK); WALKER, Nicholas (DESY); GENG, Rong-Li (Jefferson Lab); YAMAMOTO, Yasuchika (KEK)

Contribution ID: **104** Type: **not specified**

Coffee Break

Contribution ID: **105** Type: **not specified**

Lab Contributions about B) Results + Reprocessing incl. Discussion

Presenters: RESCHKE, Detlef (DESY); ZHAI, Jiyuan (Institute of High Energy Physics, Chinese Academy of Sciences); MCINTOSH, Peter (STFC Daresbury Laboratory); BOUSSON, Sebastien (IPN Orsay)

Contribution ID: **106** Type: **not specified**

Introduction and Update from last Collaboration Meeting

Tuesday, 1 December 2015 08:30 (15 minutes)

Session Classification: Introduction and Update from last Collaboration Meeting - Hasan Padamsee (Cornell)

Contribution ID: **107** Type: **not specified**

Plenary Talk 1: General Overview on Challenges in low-beta Cavities

Contribution ID: **108** Type: **not specified**

Plenary Talk2: Technical Challenge of Cryomodule Design in LCLS-II - J. Kaluzny

Tuesday, 1 December 2015 09:30 (30 minutes)

Session Classification: Plenary Talk2: Technical Challenge of Cryomodule Design in LCLS-II - J. Kaluzny (FNAL)

Contribution ID: **109** Type: **not specified**

Plenary Talk 4: Lesson Learned from Cryomodule Assembly with a Focus toward Future Projects

Tuesday, 1 December 2015 11:00 (30 minutes)

Session Classification: Plenary Talk 4: Lesson Learned from Cryomodule Assembly with a Focus toward Future Projects - C. Madec (CEA)

Contribution ID: **110** Type: **not specified**

Plenary Talk 5: “Cryogenic Operation, Failures and Recovery for Future 2K Accelerators

Tuesday, 1 December 2015 11:30 (30 minutes)

Session Classification: Plenary Talk 5: “Cryogenic Operation, Failures and Recovery for Future 2K Accelerators - S. Putselyk (DESY)

Contribution ID: **111** Type: **not specified**

Plenary Talk 6: Cryomodule/HTS Testing of High Q Cavities

Tuesday, 1 December 2015 12:00 (30 minutes)

Session Classification: Plenary Talk 6: Cryomodule/HTS Testing of High Q Cavities - M. Liepe (Cornell)

Contribution ID: **112** Type: **not specified**

Summary Talk, WG 3

Friday, 4 December 2015 11:00 (20 minutes)

Presenter: HARMS, Elvin (FNAL)

Session Classification: Summary Talk, WG 3 - WG 3 Conveners

Contribution ID: **113** Type: **not specified**

Plenary Talk 8: Invited Talk on Clean Room/Clean Infrastructure Design and Operation

Friday, 4 December 2015 09:30 (30 minutes)

Session Classification: Plenary Talk 8: Invited Talk on Clean Room/Clean Infrastructure Design and Operation - J. Paul (HDR Engineering)

Contribution ID: **114** Type: **not specified**

Plenary Talk 1: General Overview on Challenges in low-beta Cavities - G. Olry (IPNO)

Tuesday, 1 December 2015 09:00 (30 minutes)

Session Classification: Plenary Talk 1: General Overview on Challenges in low-beta Cavities - G. Olry (IPNO)