

TTC Meeting at DESY, March 24 - 27, 2014

Report of Contributions

Contribution ID: 0

Type: **not specified**

Introduction and update since last meeting

Presenter: Dr NAPOLY, Olivier (CEA-Saclay)

Contribution ID: 1

Type: **not specified**

Introduction and update since last collaboration meeting

Monday, March 24, 2014 9:00 AM (20 minutes)

Presenter: Dr NAPOLY, Olivier (CEA-Saclay)

Session Classification: Plenary

Contribution ID: 2

Type: **not specified**

DESY Welcome & logistics

Monday, March 24, 2014 9:20 AM (10 minutes)

Presenter: WEISE, Hans (DESY)

Session Classification: Plenary

Contribution ID: 3

Type: **not specified**

CEBAF Upgrade Experience

Monday, March 24, 2014 9:30 AM (30 minutes)

Primary author: MIKE, Drury (JLAB)

Presenter: MIKE, Drury (JLAB)

Session Classification: Plenary

Contribution ID: 4

Type: **not specified**

First Beam Recirculation and Energy Recovery in Compact-ERL at KEK

Monday, March 24, 2014 10:00 AM (30 minutes)

Presenter: SAKANAKA, Shogo (KEK)

Session Classification: Plenary

Contribution ID: 5

Type: **not specified**

ESS SRF

Monday, March 24, 2014 11:00 AM (30 minutes)

Presenter: DARVE, Christine (ESS)

Session Classification: Plenary

Contribution ID: 6

Type: **not specified**

European XFEL Accelerator Module Assembly

Monday, March 24, 2014 11:30 AM (30 minutes)

Presenter: Mr BERRY, Stéphane (CEA-Saclay)

Session Classification: Plenary

Contribution ID: 7

Type: **not specified**

FLASH Operational Experience

Monday, March 24, 2014 12:00 PM (30 minutes)

Presenter: Dr SCHREIBER, Siegfried (DESY)

Session Classification: Plenary

Contribution ID: 8

Type: **not specified**

Niobium materials (FG/LG), impurities, etc.

Monday, March 24, 2014 2:00 PM (20 minutes)

Highligh Talk from above mentioned field to be proposed by WG2 conveners

Primary author: Dr KNEISEL, Peter (Jefferson Lab)

Presenter: Dr KNEISEL, Peter (Jefferson Lab)

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: 9

Type: **not specified**

Optical inspection by OBACHT (DESY) and other inspection elsewhere from other laboratories

Monday, March 24, 2014 2:20 PM (20 minutes)

Highlight talk proposed by WG1

Primary author: Dr NAVITSKI, Aliaksandr (Deutsches Elektronen Synchrotron)

Presenter: Dr NAVITSKI, Aliaksandr (Deutsches Elektronen Synchrotron)

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: **10**

Type: **not specified**

Cavity and module testing for XFEL at DESY

Monday, March 24, 2014 2:40 PM (20 minutes)

Highlight talk proposed by WP8

Presenter: Mr SWIERBLEWSKI, Jacek (MKS 1)

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: 11

Type: **not specified**

Observation that fast cooldown maintains high Q_0 better than slow cooldown

Monday, March 24, 2014 3:00 PM (20 minutes)

Highlight talk proposed by WG2, WG3, WG5, and WG8

Presenter: GRASSELINO, Anna (FNAL)

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: 12

Type: **not specified**

Split quadrupole magnet design for ILC/KEK-STF

Monday, March 24, 2014 4:00 PM (20 minutes)

Highlight talk proposed by WG7

Presenter: KASHIKHIN, Vladimir (FNAL)

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: 13

Type: **not specified**

Limits for peak fields and gradient in low-beta cavities for high intensity projects

Monday, March 24, 2014 4:20 PM (20 minutes)

Highlight talk proposed by WG6

Presenter: Dr HE, Yuan (Institute of Modern Physics, CAS)

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: 14

Type: **not specified**

Recent development in spoke resonators

Monday, March 24, 2014 4:40 PM (20 minutes)

Proposed by WG6

Presenter: OLRY, Guillaume

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: 15

Type: **not specified**

WG1 Summary

Thursday, March 27, 2014 9:00 AM (15 minutes)

Presenters: Prof. YAMAMOTO, Akira (KEK); Dr MICHELATO, Paolo (INFN - LASA)

Session Classification: Plenary

Contribution ID: 16

Type: **not specified**

WG2 Summary

Thursday, March 27, 2014 10:15 AM (15 minutes)

Presenters: REECE, Charles (Jefferson Lab); Dr SINGER, Waldemar (DESY)

Session Classification: Plenary

Contribution ID: 17

Type: **not specified**

WG3 Summary

Thursday, March 27, 2014 9:30 AM (15 minutes)

Presenters: Dr SCHIRM, Karl-Martin (CERN); Mr MATHEISEN, axel (DESY)

Session Classification: Plenary

Contribution ID: **18**

Type: **not specified**

WG4 Summary

Thursday, March 27, 2014 9:45 AM (15 minutes)

Presenters: KAKO, Eiji (KEK); MÖLLER, Wolf-Dietrich (DESY)

Session Classification: Plenary

Contribution ID: **19**

Type: **not specified**

WG5 Summary

Thursday, March 27, 2014 10:00 AM (15 minutes)

Presenters: Dr MADEC, Catherine (CEA-SAclay); Mr PETERSON, Tom (FNAL)

Session Classification: Plenary

Contribution ID: **20**

Type: **not specified**

WG6 Summary

Thursday, March 27, 2014 9:15 AM (15 minutes)

Presenters: CALATRONI, Sergio (CERN); Dr HE, Yuan (Institute of Modern Physics, CAS)

Session Classification: Plenary

Contribution ID: 21

Type: **not specified**

WG7 Summary

Thursday, March 27, 2014 11:00 AM (15 minutes)

Presenters: Dr BRUECK, Heiner (DESY, MKS); Dr MASUZAWA, Mika (KEK)

Session Classification: Plenary

Contribution ID: 22

Type: **not specified**

WG8 Summary

Thursday, March 27, 2014 11:15 AM (15 minutes)

Presenters: Dr GINSBURG, Camille (Fermilab); Dr RESCHKE, Detlef (DESY); Dr VOGEL, Elmar (DESY); Mr UMEMORI, Kensei (KEK)

Session Classification: Plenary

Contribution ID: 23

Type: **not specified**

TB Report

Thursday, March 27, 2014 11:30 AM (15 minutes)

Presenter: KAKO, Eiji (KEK)

Session Classification: Plenary

Contribution ID: 24

Type: **not specified**

LCLS-II Overview - SRF related

Thursday, March 27, 2014 11:45 AM (25 minutes)

Presenter: ROSS, Marc (SLAC)

Session Classification: Plenary

Contribution ID: 25

Type: **not specified**

TTC High Q0 Working Group - Report

Thursday, March 27, 2014 12:10 PM (20 minutes)

Presenter: REECE, Charles (Jefferson Lab)

Session Classification: Plenary

Contribution ID: 26

Type: **not specified**

Difficulties in fabrication, preparation and comissioning of input couplers

Monday, March 24, 2014 3:40 PM (20 minutes)

Presenter: ZHAI, Jiyuan (IHEP)

Session Classification: Plenary - Highligh Topic Talks

Contribution ID: 27

Type: **not specified**

KEK experiences in SCRF cavity fabrication, with focusing on the EBW work parameterization and optimization

Tuesday, March 25, 2014 8:30 AM (20 minutes)

Presenter: Mr UMEMORI, Kensei (KEK)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: 28

Type: **not specified**

Introduction: Magnet session

Presenter: Dr BRUECK, Heiner (DESY, MKS)

Contribution ID: 29

Type: **not specified**

Experience with the production of SC XFEL magnets

Wednesday, March 26, 2014 8:35 AM (25 minutes)

Presenter: Dr TORAL, Fernando (CIEMAT)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 30

Type: **not specified**

Results from the cold and warm tests of the XFEL SC Magnet

Wednesday, March 26, 2014 9:00 AM (20 minutes)

Presenter: Dr DUDA, Michal (IFJ PAN)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: **31**

Type: **not specified**

Current Leads for the XFEL SC Magnets

Wednesday, March 26, 2014 9:20 AM (10 minutes)

Presenter: Dr BRUECK, Heiner (DESY, MKS)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 32

Type: **not specified**

Assembly of SC splittable quadrupole with cavity string at KEK-STF2

Wednesday, March 26, 2014 9:30 AM (20 minutes)

Presenter: Prof. YAMAMOTO, Akira (KEK)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 33

Type: **not specified**

Design for the splittable SC quadrupole magnets at LCLS-II (proposed)

Wednesday, March 26, 2014 9:50 AM (20 minutes)

Presenter: Dr KASHIKHIN, Vladimir (Fermilab)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: **34**

Type: **not specified**

Discussion

Wednesday, March 26, 2014 10:10 AM (15 minutes)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 35

Type: **not specified**

Visit to the measurement hall and discussions

Wednesday, March 26, 2014 10:45 AM (15 minutes)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 36

Type: **not specified**

Introduction: Magnetic shielding session

Wednesday, March 26, 2014 11:00 AM (5 minutes)

Presenter: Dr MASUZAWA, Mika (KEK)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 37

Type: **not specified**

Fringe Fields near SRF cavities

Wednesday, March 26, 2014 11:05 AM (15 minutes)

Presenter: Ms PLOUIN, Juliette (CEA-Saclay)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: **38**

Type: **not specified**

Effects of the ambient magnetic field on cavity performance

Wednesday, March 26, 2014 11:20 AM (15 minutes)

Primary author: GONNELLA, Daniel (Cornel)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 39

Type: **not specified**

Effects of the magnetic field on cavity during operation

Wednesday, March 26, 2014 11:35 AM (15 minutes)

Presenter: Dr SERGATSKOV, Dmitri (Fermilab)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 40

Type: **not specified**

Strategies for choosing the shielding material suited for large scale production

Wednesday, March 26, 2014 11:50 AM (30 minutes)

Presenters: Dr TSUCHIYA, Kiyosumi (KEK); Dr NAPOLY, Olivier (CEA-Saclay)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 41

Type: **not specified**

Summary for WG7

Wednesday, March 26, 2014 12:20 PM (10 minutes)

Presenters: Dr BRUECK, Heiner (DESY, MKS); Dr MASUZAWA, Mika (KEK)

Session Classification: WG7 Magnet & feedthroughs & BPMs

Contribution ID: 42

Type: **not specified**

Introduction Cryomodule changes towards CW operation

Contribution ID: 43

Type: **not specified**

• **Modifications for CW operation for LCLS-II**

Tuesday, March 25, 2014 1:30 PM (20 minutes)

Presenters: Mr PETERSON, Tom (FNAL); ORLOV, Yuriy (FNAL)

Session Classification: WG5 Accelerator Modules

Contribution ID: 44

Type: **not specified**

• French light Source Lunex

Tuesday, March 25, 2014 1:50 PM (20 minutes)

Presenter: Mr DIOP, Massamba (Synchrotron SOLEIL)

Session Classification: WG5 Accelerator Modules

Contribution ID: 45

Type: **not specified**

• Experience commissioning CW daresbury CM

Tuesday, March 25, 2014 2:10 PM (20 minutes)

Presenter: Mr WHEELHOUSE, Alan (ASTeC/STFC)

Session Classification: WG5 Accelerator Modules

Contribution ID: 46

Type: **not specified**

• **Study of helium and heat transport dynamics in CW operation**

Presenter: Dr NEUMANN, Axel (Scientist, SRF)

Contribution ID: 47

Type: **not specified**

Cornell CW cryomodule, including module design for CW operation, operational experience, tuner experience ...

Tuesday, March 25, 2014 2:50 PM (20 minutes)

Presenter: Prof. HOFFSTAETTER, Georg (Cornell University)

Session Classification: WG5 Accelerator Modules

Contribution ID: 48

Type: **not specified**

Improvement of cavity Q0 by so called thermal cycling

Tuesday, March 25, 2014 4:00 PM (20 minutes)

Presenter: VOGT, Julia (HZB)

Session Classification: WG5 Accelerator Modules

Contribution ID: 49

Type: **not specified**

XFEL cryomodule transportation: an update since the Beijing TTC meeting

Tuesday, March 25, 2014 5:00 PM (20 minutes)

Presenters: Mr JENSCH, Kay (DESY); Mr SAWLANSKI, Olaf (DESY); Mrs BARBANOTTI, Serena (DESY)

Session Classification: WG5 Accelerator Modules

Contribution ID: 50

Type: **not specified**

XFEL experience with mass production assembly at Saclay

Tuesday, March 25, 2014 4:20 PM (20 minutes)

Presenters: Dr MADEC, Catherine (CEA-Saclay); Dr NAPOLY, Olivier (CEA-Saclay); Mr BERRY, Stéphane (CEA-Saclay)

Session Classification: WG5 Accelerator Modules

Contribution ID: 51

Type: **not specified**

FNAL experience assembling CM2

Tuesday, March 25, 2014 4:40 PM (20 minutes)

Presenter: Mr ARKAN, Tug (Fermilab)

Session Classification: WG5 Accelerator Modules

Contribution ID: 52

Type: **not specified**

Characterization of tuning systems

Presenter: Dr NEUMANN, Axel (Scientist, SRF)

Contribution ID: 53

Type: **not specified**

Field stability and microphonics measurements and its compensation

Presenter: Dr NEUMANN, Axel (Scientist, SRF)

Contribution ID: 54

Type: **not specified**

The certification of the XFEL cold linac for operation

Tuesday, March 25, 2014 5:20 PM (20 minutes)

Presenter: BARBANOTTI, Serena

Session Classification: WG5 Accelerator Modules

Contribution ID: 55

Type: **not specified**

Statistics on EP treatment of EXFEL cavities in series production

Tuesday, March 25, 2014 10:50 AM (20 minutes)

Presenter: Ms RIZZI, Michela (Ettore Zanon SpA)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: 56

Type: **not specified**

Copper plating specifications, XFEL, LCLS-II, KEK, ERL Cornell, CERN

Tuesday, March 25, 2014 8:30 AM (15 minutes)

Presenter: MÖLLER, Wolf-Dietrich (DESY)

Session Classification: WG4 RF Power Coupler

Contribution ID: 57

Type: **not specified**

Copper plating methods

Tuesday, March 25, 2014 8:45 AM (10 minutes)

Presenter: CALATRONI, Sergio (CERN)

Session Classification: WG4 RF Power Coupler

Contribution ID: 58

Type: **not specified**

Thermal simulations, pulsed CW, XFEL, others

Tuesday, March 25, 2014 8:55 AM (10 minutes)

Presenter: Dr KOSTIN, Denis (DESY)

Session Classification: WG4 RF Power Coupler

Contribution ID: 59

Type: **not specified**

Investigation methods, destructive and non-destructive

Tuesday, March 25, 2014 9:05 AM (10 minutes)

Presenter: Mr ERMAKOV, Alexey (DESY)

Session Classification: WG4 RF Power Coupler

Contribution ID: **60**

Type: **not specified**

Real defects, examples, classification at XFEL

Tuesday, March 25, 2014 9:15 AM (10 minutes)

Presenter: Dr KAABI, Walid (LAL)

Session Classification: WG4 RF Power Coupler

Contribution ID: 61

Type: **not specified**

Experience with defects in copper plating at HTS (SLAC/CPI/FNAL ILC collaboration)

Tuesday, March 25, 2014 9:25 AM (10 minutes)

Presenter: Mr PREMIO, Kenneth (Fermilab)

Session Classification: WG4 RF Power Coupler

Contribution ID: **62**

Type: **not specified**

Method and experience of copper plating at Toshiba

Tuesday, March 25, 2014 9:35 AM (10 minutes)

Presenter: YUSHIRO, Osamu (Toshiba)

Session Classification: WG4 RF Power Coupler

Contribution ID: 63

Type: **not specified**

Copper plating issues at Cornell

Tuesday, March 25, 2014 9:45 AM (10 minutes)

Presenter: VESHCHEREVICH, Vadim (Cornell University)

Session Classification: WG4 RF Power Coupler

Contribution ID: **64**

Type: **not specified**

QC during mass production - Discussion

Tuesday, March 25, 2014 9:55 AM (15 minutes)

Presenter: MÖLLER, Wolf-Dietrich (DESY)

Session Classification: WG4 RF Power Coupler

Contribution ID: 65

Type: **not specified**

Power coupler preparation before RF conditioning - IFMIF

Presenter: JENHANI, Hassen (CEA)

Contribution ID: **66**

Type: **not specified**

XFEL coupler

Tuesday, March 25, 2014 10:40 AM (10 minutes)

Presenter: Dr KAABI, Walid (LAL)

Session Classification: WG4 RF Power Coupler

Contribution ID: 67

Type: **not specified**

KEK-cERL, ML coupler

Tuesday, March 25, 2014 10:50 AM (10 minutes)

Presenter: Dr SAKAI, Hiroshi (KEK)

Session Classification: WG4 RF Power Coupler

Contribution ID: **68**

Type: **not specified**

TTF3-SLAC/FNAL coupler

Tuesday, March 25, 2014 11:00 AM (10 minutes)

Primary author: Mr PREMO, Kenneth (Fermilab)

Presenter: Mr PREMO, Kenneth (Fermilab)

Session Classification: WG4 RF Power Coupler

Contribution ID: **69**

Type: **not specified**

SPIRAL2 coupler

Tuesday, March 25, 2014 11:10 AM (10 minutes)

Presenter: GOMEZ MARTINEZ, Yolanda (LPSC / IN2P3)

Session Classification: WG4 RF Power Coupler

Contribution ID: 70

Type: **not specified**

What is the best preparation procedure? Discussion...

Tuesday, March 25, 2014 11:20 AM (10 minutes)

Presenter: KAKO, Eiji (KEK)

Session Classification: WG4 RF Power Coupler

Contribution ID: 71

Type: **not specified**

Coupler design: TTF-3 coupler modification for LCLS-II CW

Tuesday, March 25, 2014 11:30 AM (10 minutes)

Presenter: Dr SOLYAK, Nikolay (Fermilab)

Session Classification: WG4 RF Power Coupler

Contribution ID: 72

Type: **not specified**

ANL coupler for FRIB

Presenter: KELLY, M (ANL)

Contribution ID: 73

Type: **not specified**

Coupler designed with HE 11 mode at SLAC

Presenter: Mr XU, Chen (FLC/PET)

Contribution ID: 74

Type: **not specified**

CW coupler for BerlinPro/HZB

Tuesday, March 25, 2014 12:00 PM (10 minutes)

Presenter: Dr KHAN, Vasim (Helmholtz Zentrum Berlin)

Session Classification: WG4 RF Power Coupler

Contribution ID: 75

Type: **not specified**

CW coupler for Cornell ERL

Tuesday, March 25, 2014 12:10 PM (10 minutes)

Presenter: VESHCHEREVICH, Vadim (Cornell Univrsity)

Session Classification: WG4 RF Power Coupler

Contribution ID: 76

Type: **not specified**

ESS coupler design

Tuesday, March 25, 2014 12:20 PM (10 minutes)

Presenter: Dr MOLLOY, Stephen (ESS)

Session Classification: WG4 RF Power Coupler

Contribution ID: 77

Type: **not specified**

SNS High Intensity Experience

Tuesday, March 25, 2014 8:30 AM (15 minutes)

Presenter: Dr KIM, Sang-ho (Oak Ridge National Laboratory)

Session Classification: WG6 Low Beta

Contribution ID: 78

Type: **not specified**

ESS low beta elliptical

Tuesday, March 25, 2014 8:45 AM (15 minutes)

Presenter: MOLLOY, Stephen

Session Classification: WG6 Low Beta

Contribution ID: 79

Type: **not specified**

IMP experience

Tuesday, March 25, 2014 9:00 AM (15 minutes)

Presenter: Dr HE, Yuan (Institute of Modern Physics, CAS)

Session Classification: WG6 Low Beta

Contribution ID: **80**

Type: **not specified**

HIE-Isolde

Tuesday, March 25, 2014 9:30 AM (15 minutes)

Presenter: SUBLET, Alban (CERN)

Session Classification: WG6 Low Beta

Contribution ID: **81**

Type: **not specified**

HIE-Isolde

Presenter: CALATRONI, Sergio (CERN)

Contribution ID: **82**

Type: **not specified**

Discussion . spoke material: IPN

Tuesday, March 25, 2014 10:30 AM (15 minutes)

Presenter: OLRV, Guillaume (IPN)

Session Classification: WG6 Low Beta

Contribution ID: **83**

Type: **not specified**

Discussion . spoke material: FNAL

Tuesday, March 25, 2014 10:45 AM (15 minutes)

Presenter: ROWE, Allan (Fermilab)

Session Classification: WG6 Low Beta

Contribution ID: **84**

Type: **not specified**

Discussion - multipacting simulation/experience: IPN

Tuesday, March 25, 2014 11:00 AM (15 minutes)

Presenter: Dr LONGUEVERGNE, David (Institut de Physique Nucléaire d'Orsay)

Session Classification: WG6 Low Beta

Contribution ID: 85

Type: **not specified**

Discussion - multipacting simulation/experience: FNAL

Tuesday, March 25, 2014 11:15 AM (15 minutes)

Presenters: Dr SERGATSKOV, Dmitri (Fermilab); KHABIBOULLINE, Timergali (Fermilab)

Session Classification: WG6 Low Beta

Contribution ID: **86**

Type: **not specified**

Discussion - low frequency residual resistance: IPN

Tuesday, March 25, 2014 11:30 AM (15 minutes)

Presenter: Dr LONGUEVERGNE, David (Institut de Physique Nucléaire d'Orsay)

Session Classification: WG6 Low Beta

Contribution ID: 87

Type: **not specified**

Discussion - low frequency residual resistance: FNAL

Tuesday, March 25, 2014 11:45 AM (20 minutes)

Presenter: GRASSELLINO, Anna (FNAL)

Session Classification: WG6 Low Beta

Contribution ID: **88**

Type: **not specified**

Set of discussion guiding questions

Tuesday, March 25, 2014 1:30 PM (5 minutes)

Presenter: Dr SINGER, Waldemar (DESY)

Session Classification: WG2 Cavity Material

Contribution ID: **89**

Type: **not specified**

General Discussion of guiding questions

Contribution ID: **90**

Type: **not specified**

Radiation measurement and comparison between VT/CM tests

Tuesday, March 25, 2014 1:30 PM (1 hour)

Session Classification: WG8 Cavity Testing

Contribution ID: 91

Type: **not specified**

Modification to test programs for high Q0 (partially joint with WG2)

Tuesday, March 25, 2014 4:45 PM (1h 15m)

Session Classification: WG8 Cavity Testing

Contribution ID: 92

Type: **not specified**

Introduction Industrialization of infrastructures for CAV preparation

Wednesday, March 26, 2014 8:30 AM (5 minutes)

Session Classification: WG3 Cavity Treatment

Contribution ID: 94

Type: **not specified**

Test infrastructure and their test programs

Contribution ID: 95

Type: **not specified**

Experience with cavity performance changes during beam operation

Contribution ID: 96

Type: **not specified**

Industrialization of Electro polishing - view and experiences from Institute sides DESY

Wednesday, March 26, 2014 8:35 AM (10 minutes)

Presenter: STEINHAU-KUEHL, Nicolai (DESY)

Session Classification: WG3 Cavity Treatment

Contribution ID: 97

Type: **not specified**

Experience with installing an EP system at AES

Wednesday, March 26, 2014 8:45 AM (10 minutes)

Presenter: ROWE, Allan (Fermilab)

Session Classification: WG3 Cavity Treatment

Contribution ID: **98**

Type: **not specified**

View and experience from industry (E.Zanon)

Wednesday, March 26, 2014 8:55 AM (10 minutes)

Presenter: Ms RIZZI, Michela (Ettore Zanon SpA)

Session Classification: WG3 Cavity Treatment

Contribution ID: 99

Type: **not specified**

New EP systems and parameters: KEK

Wednesday, March 26, 2014 9:05 AM (10 minutes)

Presenter: Dr KATO, SHIGEKI (KEK)

Session Classification: WG3 Cavity Treatment

Contribution ID: **100**

Type: **not specified**

New EP systems and parameters: CEA

Wednesday, March 26, 2014 9:15 AM (10 minutes)

Presenter: EOZENOU, Fabien (CEA)

Session Classification: WG3 Cavity Treatment

Contribution ID: **101**

Type: **not specified**

New EP systems and parameters: FNAL Bi polar EP

Wednesday, March 26, 2014 9:25 AM (10 minutes)

Presenter: ROWE, Allan (Fermilab)

Session Classification: WG3 Cavity Treatment

Contribution ID: **102**

Type: **not specified**

Infrastructure for industrial cavity production

Wednesday, March 26, 2014 9:35 AM (12 minutes)

Primary author: Mr CORNIANI, Giorgio (Ettore Zanon s.p.a.)

Presenter: Mr CORNIANI, Giorgio (Ettore Zanon s.p.a.)

Session Classification: WG3 Cavity Treatment

Contribution ID: **103**

Type: **not specified**

JLAB equipment for retreatments and studies on infrastructures

Wednesday, March 26, 2014 9:47 AM (7 minutes)

Primary author: KNEISEL, Peter (J lab)

Presenter: KNEISEL, Peter (J lab)

Session Classification: WG3 Cavity Treatment

Contribution ID: **104**

Type: **not specified**

CERN's new 2K infrastructure

Wednesday, March 26, 2014 9:54 AM (7 minutes)

Presenter: Dr SCHIRM, Karl-Martin (CERN)

Session Classification: WG3 Cavity Treatment

Contribution ID: **105**

Type: **not specified**

XFEL Cavity Retreatment+ DESY infrastructure

Wednesday, March 26, 2014 10:01 AM (7 minutes)

Presenter: Mr SCHALWAT, Marco (DESY Hamburg)

Session Classification: WG3 Cavity Treatment

Contribution ID: 106

Type: **not specified**

“ILC-HiGrade program at DESY: Some infrastructure for cavities repair and retreatment”

Wednesday, March 26, 2014 10:08 AM (7 minutes)

Presenter: Dr NAVITSKI, Aliaksandr (Deutsches Elektronen Synchrotron)

Session Classification: WG3 Cavity Treatment

Contribution ID: **107**

Type: **not specified**

Vacuum issues usage of slow pumping slow venting

Wednesday, March 26, 2014 10:15 AM (10 minutes)

Primary author: RIZZETTO, Dario (E.Zanon)

Presenter: RIZZETTO, Dario (E.Zanon)

Session Classification: WG3 Cavity Treatment

Contribution ID: **108**

Type: **not specified**

Discussion on application of EP for repair –global once or are local once possible to avoid changing cavity length

Wednesday, March 26, 2014 10:25 AM (10 minutes)

Session Classification: WG3 Cavity Treatment

Contribution ID: **109**

Type: **not specified**

Prep steps and Quality control at JLAB

Wednesday, March 26, 2014 11:00 AM (7 minutes)

Primary author: KNEISEL, Peter (J lab)

Presenter: KNEISEL, Peter (J lab)

Session Classification: WG3 Cavity Treatment

Contribution ID: **110**

Type: **not specified**

Results from XFEL cavity production and retreatments

Wednesday, March 26, 2014 11:10 AM (7 minutes)

Presenter: Dr RESCHKE, Detlef (DESY)

Session Classification: WG3 Cavity Treatment

Contribution ID: 111

Type: **not specified**

Analysis of XFEL QC data in respect of success rate

Wednesday, March 26, 2014 11:20 AM (20 minutes)

Presenter: Dr MONACO, Laura (INFN)

Session Classification: WG3 Cavity Treatment

Contribution ID: 112

Type: **not specified**

Discussion: Are there new/ Improved methods of preparation QC?

Wednesday, March 26, 2014 11:08 AM (2 minutes)

Session Classification: WG3 Cavity Treatment

Contribution ID: 113

Type: **not specified**

Discussion: Are we checking enough and are they the right parameters?

Wednesday, March 26, 2014 11:46 AM (10 minutes)

Session Classification: WG3 Cavity Treatment

Contribution ID: 114

Type: **not specified**

Discussion: Which additional parameters are under development and which one could be / should be checked in addition?

Wednesday, March 26, 2014 11:56 AM (10 minutes)

Session Classification: WG3 Cavity Treatment

Contribution ID: 115

Type: **not specified**

Discussions on New methods of cavity preparation techniques

Wednesday, March 26, 2014 12:06 PM (10 minutes)

Session Classification: WG3 Cavity Treatment

Contribution ID: **116**

Type: **not specified**

Summary of WG

Contribution ID: **117**

Type: **not specified**

Discussion

Tuesday, March 25, 2014 5:40 PM (20 minutes)

Session Classification: WG5 Accelerator Modules

Contribution ID: **118**

Type: **not specified**

Discussion

Tuesday, March 25, 2014 3:10 PM (20 minutes)

Session Classification: WG5 Accelerator Modules

Contribution ID: 119

Type: **not specified**

Experiences to large scale production of Nb cavity material for CEBAF Upgrade and SNS

Tuesday, March 25, 2014 1:35 PM (10 minutes)

Presenter: REECE, Charles (Jefferson Lab)

Session Classification: WG2 Cavity Material

Contribution ID: 120

Type: **not specified**

Experiences to large scale production of Nb cavity material for European XFEL

Tuesday, March 25, 2014 1:45 PM (15 minutes)

Presenter: Dr SINGER, Waldemar (DESY)

Session Classification: WG2 Cavity Material

Contribution ID: **121**

Type: **not specified**

Comparison LG-FG Nb properties

Tuesday, March 25, 2014 2:00 PM (10 minutes)

Presenter: Dr KNEISEL, Peter (Jefferson Lab)

Session Classification: WG2 Cavity Material

Contribution ID: 122

Type: **not specified**

Foreign material inclusions in the Nb cavity material for European XFEL

Tuesday, March 25, 2014 2:20 PM (10 minutes)

Presenter: Mrs SINGER, Xenia (DESY)

Session Classification: WG2 Cavity Material

Contribution ID: 123

Type: **not specified**

Analysis of surface damage layer in cavity Nb

Tuesday, March 25, 2014 2:30 PM (10 minutes)

Presenter: Dr ANTOINE, Claire (CEA)

Session Classification: WG2 Cavity Material

Contribution ID: 124

Type: **not specified**

Topographic contribution to non-linearly rf losses: FG BCP cf. EP

Tuesday, March 25, 2014 3:00 PM (5 minutes)

Presenter: REECE, Charles (Jefferson Lab)

Session Classification: WG2 Cavity Material

Contribution ID: 125

Type: **not specified**

Clean heat treatment studies for high Q0 – JLab

Tuesday, March 25, 2014 3:05 PM (10 minutes)

Presenters: CIOVATI (JLAB); Dr KNEISEL, Peter (Jefferson Lab)

Session Classification: WG2 Cavity Material

Contribution ID: 126

Type: **not specified**

Material activities towards high Qo @ FNAL

Contribution ID: 127

Type: **not specified**

Material activities towards high Qo with HT-N @ JLab

Tuesday, March 25, 2014 4:05 PM (10 minutes)

Presenter: REECE, Charles (Jefferson Lab)

Session Classification: WG2 Cavity Material

Contribution ID: 128

Type: **not specified**

Material activities towards high Qo @ DESY

Tuesday, March 25, 2014 4:20 PM (5 minutes)

Presenter: Dr SEKUTOWICZ, Jacek (DESY)

Session Classification: WG2 Cavity Material

Contribution ID: **129**

Type: **not specified**

Material activities towards high Qo @ HZB

Tuesday, March 25, 2014 4:00 PM (5 minutes)

Presenter: Dr KUGELER, Oliver (Helmholtz Zentrum Berlin)

Session Classification: WG2 Cavity Material

Contribution ID: 130

Type: **not specified**

Transition to join WG8 17:00-18:00 for joint discussion of test condition influence on high Q_0 , e.g. ambient magnetic field and cooldown rate.

Tuesday, March 25, 2014 4:50 PM (10 minutes)

Session Classification: WG2 Cavity Material

Contribution ID: 131

Type: **not specified**

Joint Session with WG8

Tuesday, March 25, 2014 5:00 PM (1 hour)

Test condition studies towards high Qo @ FNAL (Anna Grassellino)
Test condition studies towards high Qo with HT-N @ JLab (Ari Palczewski)
Test condition activities towards high Qo @ DESY, (A. Navitski, Jacek)
Test condition activities towards high Qo @ HZB, (Oliver Kugeler)

Session Classification: WG2 Cavity Material

Contribution ID: **132**

Type: **not specified**

Cryomodule Design

Tuesday, March 25, 2014 9:15 AM (15 minutes)

Presenter: WAN, Yuqin

Session Classification: WG6 Low Beta

Contribution ID: **133**

Type: **not specified**

Discussion

Tuesday, March 25, 2014 9:45 AM (15 minutes)

Session Classification: WG6 Low Beta

Contribution ID: 134

Type: **not specified**

HZB experience with CW operation at the HoBiCaT test facility (A. Neumann - Helmholtz Berlin)

Tuesday, March 25, 2014 2:30 PM (20 minutes)

Presenter: Dr NEUMANN, Axel (Scientist, SRF)

Session Classification: WG5 Accelerator Modules

Contribution ID: 135

Type: **not specified**

Components and methods of Cavity/CM tests

Tuesday, March 25, 2014 2:30 PM (1 hour)

Session Classification: WG8 Cavity Testing

Contribution ID: **136**

Type: **not specified**

Discussion

Tuesday, March 25, 2014 3:50 PM (55 minutes)

Session Classification: WG8 Cavity Testing

Contribution ID: 137

Type: **not specified**

LG vs FG (FNAL data, and DESY data analysis from Alex M)

Tuesday, March 25, 2014 2:10 PM (10 minutes)

Presenter: GRASSELLINO, Anna (FNAL)

Session Classification: WG2 Cavity Material

Contribution ID: 138

Type: **not specified**

Discussion of material requirement specifications

Tuesday, March 25, 2014 2:40 PM (20 minutes)

Session Classification: WG2 Cavity Material

Contribution ID: 139

Type: **not specified**

Macro and nanohydrides for different surface processing (data from Alex R and Yulia T)

Tuesday, March 25, 2014 3:15 PM (15 minutes)

Presenter: GRASSELLINO, Anna (FNAL)

Session Classification: WG2 Cavity Material

Contribution ID: 140

Type: **not specified**

SIMS and muSR data for mfp nitrogen baked vs standard processing

Tuesday, March 25, 2014 3:50 PM (10 minutes)

Presenter: GRASSELLINO, Anna (FNAL)

Session Classification: WG2 Cavity Material

Contribution ID: 141

Type: **not specified**

Material activities towards high Qo @ DESY

Tuesday, March 25, 2014 4:15 PM (5 minutes)

Presenter: Ms LAASCH, Ricarda (DESY)

Session Classification: WG2 Cavity Material

Contribution ID: 142

Type: **not specified**

General Discussion of material influence on Q0

Tuesday, March 25, 2014 4:30 PM (20 minutes)

Session Classification: WG2 Cavity Material

Contribution ID: 143

Type: **not specified**

Design, setup and commissioning of the AMTF

Wednesday, March 26, 2014 8:30 AM (10 minutes)

Presenter: Dr PETERSEN, Bernd (DESY)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 144

Type: **not specified**

The 3.9 GHz vertical test stand at INFN Milan and the 3.9 GHz horizontal test stand at the AMTF

Wednesday, March 26, 2014 8:40 AM (10 minutes)

Presenter: SERTORE, Daniele (INFN Milano - LASA)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 145

Type: **not specified**

Cavity Testing at J-Lab

Wednesday, March 26, 2014 8:50 AM (10 minutes)

Presenter: Dr PALCZEWSKI, Ari (Jefferson National Laboratory)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 146

Type: **not specified**

Module Testing at J-Lab

Wednesday, March 26, 2014 9:00 AM (10 minutes)

Presenter: MICHAEL, Drury (JLAB)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 147

Type: **not specified**

News from vertical and horizontal test infrastructure (HoBiCaT) and test program at HZB

Wednesday, March 26, 2014 9:10 AM (10 minutes)

Presenter: Dr KUGELER, Oliver (Helmholtz Zentrum Berlin)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 148

Type: **not specified**

Test infrastructure and test programs for CM2 at FNAL

Wednesday, March 26, 2014 9:20 AM (10 minutes)

Presenters: Dr GINSBURG, Camille (Fermilab); KHABIBOULLINE, Timergali (Fermilab)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 149

Type: **not specified**

Test infrastructure and test programs at KEK-STF

Wednesday, March 26, 2014 9:30 AM (20 minutes)

Presenter: Dr YAMAMOTO, Yasuchika (KEK)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: **150**

Type: **not specified**

Discussion

Wednesday, March 26, 2014 10:10 AM (20 minutes)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: **151**

Type: **not specified**

Coffee break

Contribution ID: 152

Type: **not specified**

Cavity performance changes during beam operation

Contribution ID: 153

Type: **not specified**

Experience at CEBAF and recovery by He processing (t.b.c)

Wednesday, March 26, 2014 11:10 AM (10 minutes)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: 154

Type: **not specified**

Experience at FLASH

Wednesday, March 26, 2014 11:20 AM (10 minutes)

Presenter: Dr SCHREIBER, Siegfried (DESY)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: 155

Type: **not specified**

Beam operation experience at STF-Quantum beam project

Wednesday, March 26, 2014 11:30 AM (10 minutes)

Presenter: Dr YAMAMOTO, Yasuchika (KEK)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: 156

Type: **not specified**

Beam operation experience at cERL

Wednesday, March 26, 2014 11:40 AM (10 minutes)

Presenter: Dr SAKAI, Hiroshi (KEK)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: 157

Type: **not specified**

Beam operation experience at Cornell ERL 2-cell injector

Wednesday, March 26, 2014 11:50 AM (10 minutes)

Presenter: Prof. HOFFSTAETTER, Georg (Cornell University)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: 158

Type: **not specified**

KEK long term operation & experience

Wednesday, March 26, 2014 12:00 PM (10 minutes)

Primary author: FURUYA, Takaaki (KEK)

Presenter: Mr UMEMORI, Kensei (KEK)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: **159**

Type: **not specified**

Discussion

Wednesday, March 26, 2014 12:10 PM (20 minutes)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: **160**

Type: **not specified**

Expected testing of the ESS SRF cavities

Wednesday, March 26, 2014 11:00 AM (10 minutes)

Presenter: Dr DARVE, Christine (European Spallation Source)

Session Classification: WG8 Cavity performance changes during beam operation

Contribution ID: 161

Type: **not specified**

What he companies considered as “hard to achieve” of our specs and request: provocative discussion

Tuesday, March 25, 2014 8:50 AM (30 minutes)

Presenters: Mr CORNIANI, Giorgio (Ettore Zanon s.p.a.); Mr PEKELER, Michael (RI Research Instruments GmbH)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: 162

Type: **not specified**

Successful development of new fabrication technique using based on laser welding, for SCRF cavities - Results and path ahead.

Tuesday, March 25, 2014 9:20 AM (20 minutes)

Presenter: Mr KHARE, Prashant (Raja Ramanna Centre for Advanced Technology)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: **163**

Type: **not specified**

Typical problems with EBW welding observed with OBACHT

Tuesday, March 25, 2014 9:40 AM (15 minutes)

Presenter: Dr NAVITSKI, Aliaksandr (Deutsches Elektronen Synchrotron)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: **164**

Type: **not specified**

PED approach for 3.9 GHz XFEL cavities.

Tuesday, March 25, 2014 9:55 AM (20 minutes)

Presenter: Mr MORETTI, Massimiliano (INFN Milan - LASA)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: 165

Type: **not specified**

XFEL Series Cavity fabrication – Documentation issues

Tuesday, March 25, 2014 11:10 AM (20 minutes)

Presenter: Mr IVERSEN, Jens (DESY - Deutsches Elektronen Synchrotron)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: 166

Type: **not specified**

RF Aspects of Quality Control for the European-XFEL Cavities

Tuesday, March 25, 2014 11:30 AM (20 minutes)

Presenter: Dr SULIMOV, Alexey (DESY)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: 167

Type: **not specified**

Studies of frequency variation with EP treatments performed by EZ

Tuesday, March 25, 2014 11:50 AM (20 minutes)

Presenter: Dr GRESELE, Ambra (E.Zanon)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: **168**

Type: **not specified**

Current status of Dubna-Minsk common activity on manufacturing of elliptical Nb cavity

Tuesday, March 25, 2014 12:10 PM (20 minutes)

Presenter: Dr AZARYAN, Nikolay (JINR)

Session Classification: WG1 Elliptical Cavity Production

Contribution ID: **169**

Type: **not specified**

Technical Board

Wednesday, March 26, 2014 1:30 PM (1 hour)

Session Classification: Technical Board

Contribution ID: 170

Type: **not specified**

AMTF & XFEL Tours (please check detailed view)

Wednesday, March 26, 2014 2:30 PM (3 hours)

XFEL Tunnel Tours start from AMTF TTC Meeting Area approx. every 30 to 45 minutes. For all other tours please refer to your DESY colleagues. Please use the working group meetings to arrange for your most favorite topic.

Session Classification: AMTF & XFEL Tours

Contribution ID: 171

Type: **not specified**

Summary & Report Writing

Wednesday, March 26, 2014 2:30 PM (3 hours)

Session Classification: Summary & Report Writing

Contribution ID: 172

Type: **not specified**

XFEL Tour for conveners

Wednesday, March 26, 2014 5:30 PM (1 hour)

Session Classification: XFEL Tour for conveners

Contribution ID: 173

Type: **not specified**

Collaboration Board

Tuesday, March 25, 2014 6:00 PM (2 hours)

Session Classification: Collaboration Board

Contribution ID: 174

Type: **not specified**

SRF test infrastructure and test programs at CERN

Wednesday, March 26, 2014 9:50 AM (10 minutes)

Presenter: Mr THERASSE, Mathieu (CERN)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 175

Type: **not specified**

SRF test infrastructure and test programs at Cornell

Wednesday, March 26, 2014 10:00 AM (10 minutes)

Presenter: Prof. HOFFSTAETTER, Georg (Cornell University)

Session Classification: WG8 Test infrastructure and their test programs

Contribution ID: 176

Type: **not specified**

Q change with quench in NbCu clad cavities

Tuesday, March 25, 2014 4:25 PM (5 minutes)

Presenter: Dr SINGER, Waldemar (DESY)

Session Classification: WG2 Cavity Material

Contribution ID: 177

Type: **not specified**

CB Report

Thursday, March 27, 2014 12:30 PM (15 minutes)

Presenter: Dr NAPOLY, Olivier (CEA-Saclay)

Session Classification: Plenary