

# **TESLA Technology Collaboration (TTC) Meeting**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **INFN-Milano, welcome and logistics**

**Presenter:** PAGANI, Carlo (INFN-UNIMI)

Contribution ID: 1

Type: **not specified**

## **Introduction and update from last collaboration meeting**

*Tuesday, February 6, 2018 9:15 AM (15 minutes)*

**Presenter:** PADAMSEE, Hasan (Cornell)

**Session Classification:** Opening Plenary 1

Contribution ID: 2

Type: **not specified**

## **LCLS-II progress with cavity and CM production and testing**

*Tuesday, February 6, 2018 9:30 AM (30 minutes)*

**Presenter:** ROSS, Marc (SLAC)

**Session Classification:** Opening Plenary 1

Contribution ID: 3

Type: **not specified**

## **Recent progress in SRF cavity components and module tests at FRIB**

*Tuesday, February 6, 2018 10:00 AM (30 minutes)*

**Presenter:** SAITO, Kenji (FRIB)

**Session Classification:** Opening Plenary 1

Contribution ID: 4

Type: **not specified**

## **Thin film research: CERN experience and possible future applications**

*Wednesday, February 7, 2018 9:00 AM (30 minutes)*

**Presenter:** VENTURINI DELSOLARO, Walter (CERN)

**Session Classification:** Plenary 2

Contribution ID: 5

Type: **not specified**

## **ESS prototype testing and test-stands progress**

*Wednesday, February 7, 2018 9:30 AM (30 minutes)*

**Presenter:** RUBER, Roger (Uppsala University)

**Session Classification:** Plenary 2

Contribution ID: 6

Type: **not specified**

## **SRF technology in China; Infrastructure and industrialization for various projects**

*Wednesday, February 7, 2018 10:00 AM (30 minutes)*

**Presenter:** WANG, Dong (SINAP)

**Session Classification:** Plenary 2



Contribution ID: 7

Type: **not specified**

## **European-XFEL SC accelelator commissioning and operation**

*Thursday, February 8, 2018 9:00 AM (30 minutes)*

**Presenter:** Dr BRANLARD, Julien

**Session Classification:** Plenary 3

Contribution ID: 8

Type: **not specified**

## **Report from TTC topical workshop on "pushing cavity performance limits"**

*Thursday, February 8, 2018 9:30 AM (30 minutes)*

**Presenter:** BELOMESTNYKH, SERGEY (FNAL)

**Session Classification:** Plenary 3

Contribution ID: 9

Type: **not specified**

## **Frequency dependence of surface resistance and non-equilibrium superconductivity**

*Thursday, February 8, 2018 10:00 AM (30 minutes)*

**Presenter:** MARTINELLO, MARTINA (FNAL)

**Session Classification:** Plenary 3

Contribution ID: **10**

Type: **not specified**

## **New energy production potentialities with SRF Accelerator Driven Systems**

*Friday, February 9, 2018 9:00 AM (45 minutes)*

**Presenter:** ZHAN, Wenlong (CAS)

**Session Classification:** Closing Plenary: Science and Energy by TESLA Technology

Contribution ID: 11

Type: **not specified**

## **New physics potentialities with SRF based XFELs**

*Friday, February 9, 2018 9:45 AM (45 minutes)*

**Presenter:** SCHNEIDER, Jochen (DESY)

**Session Classification:** Closing Plenary: Science and Energy by TESLA Technology

Contribution ID: 12

Type: **not specified**

## **SRF from INFN/Milano**

*Wednesday, February 7, 2018 2:00 PM (30 minutes)*

**Presenter:** PAGANI, Carlo (INFN-UNIMI)

**Session Classification:** Special Talks

Contribution ID: 13

Type: **not specified**

## **New non-accelerator applications of SRF technology**

*Wednesday, February 7, 2018 2:30 PM (30 minutes)*

**Presenter:** ROMANENKO, Alexander (FNAL)

**Session Classification:** Special Talks

Contribution ID: 14

Type: **not specified**

## **Summary report on the SRF in a dirty machine workshop**

*Wednesday, February 7, 2018 3:00 PM (30 minutes)*

**Presenter:** SHARPLES, Emmy (HZB)

**Session Classification:** Special Talks



Contribution ID: 15

Type: **not specified**

## **Summary Talk-1: WG-1 conveners**

*Friday, February 9, 2018 10:45 AM (15 minutes)*

**Session Classification:** Plenary 4

Contribution ID: **16**

Type: **not specified**

## **Summary Talk-2: WG-2 conveners**

*Friday, February 9, 2018 11:00 AM (15 minutes)*

**Session Classification:** Plenary 4

Contribution ID: 17

Type: **not specified**

## **Summary Talk-3: WG-3 conveners**

*Friday, February 9, 2018 11:15 AM (15 minutes)*

**Session Classification:** Plenary 4

Contribution ID: **18**

Type: **not specified**

## **Summary Talk-4: WG-4 conveners**

*Friday, February 9, 2018 11:30 AM (15 minutes)*

**Session Classification:** Plenary 4

Contribution ID: **19**

Type: **not specified**

## **TB Report**

*Friday, February 9, 2018 11:45 AM (10 minutes)*

**Presenter:** KAKO, Eiji (KEK)

**Session Classification:** Plenary 4

Contribution ID: **20**

Type: **not specified**

## **CB Report**

*Friday, February 9, 2018 11:55 AM (20 minutes)*

**Presenter:** PADAMSEE, Hasan (Cornell)

**Session Classification:** Plenary 4

Contribution ID: 21

Type: **not specified**

## **INFN-Milan, welcome and logistics**

*Tuesday, February 6, 2018 9:00 AM (15 minutes)*

**Presenter:** PAGANI, Carlo (MI)

**Session Classification:** Welcome

Contribution ID: 22

Type: **not specified**

## Closing remarks

*Friday, February 9, 2018 12:15 PM (30 minutes)*

**Presenter:** PAGANI, Carlo (MI)

**Session Classification:** Plenary 4



Contribution ID: 23

Type: **not specified**

## **CW accelerating module test progress at DESY**

*Tuesday, February 6, 2018 11:00 AM (15 minutes)*

**Presenter:** Dr KOSTIN, Denis (DESY)

**Session Classification:** WG-1 Session 1: CW SRF cavity operational challenges - high beta cavities

Contribution ID: 24

Type: **not specified**

## **15 years of CW SRF operation at ELBE**

*Tuesday, February 6, 2018 11:15 AM (15 minutes)*

**Presenter:** Dr ARNOLD, Andre (HZDR ELBE)

**Session Classification:** WG-1 Session 1: CW SRF cavity operational challenges - high beta cavities

Contribution ID: 25

Type: **not specified**

## **3.9 GHz CW challenges and recent horizontal test results for 3.9 GHz Cavity**

*Tuesday, February 6, 2018 11:30 AM (15 minutes)*

**Presenter:** Dr ADERHOLD, Sebastian (FNAL)

**Session Classification:** WG-1 Session 1: CW SRF cavity operational challenges - high beta cavities

Contribution ID: 26

Type: **not specified**

## **Coupler operation and R&D activities at IMP**

*Thursday, February 8, 2018 11:00 AM (15 minutes)*

**Presenter:** Dr JIANG, Tiancai (IMP)

**Session Classification:** WG-2 Session 1 - Couplers

Contribution ID: 27

Type: **not specified**

## **High Power Main couplers for CW/RF operation**

*Thursday, February 8, 2018 11:15 AM (15 minutes)*

**Presenter:** Dr KAZAKOV, Sergey (FNAL)

**Session Classification:** WG-2 Session 1 - Couplers

Contribution ID: 28

Type: **not specified**

## **Main coupler R&D at DESY**

*Thursday, February 8, 2018 11:30 AM (15 minutes)*

**Presenter:** Dr KOSTIN, Denis (DESY)

**Session Classification:** WG-2 Session 1 - Couplers

Contribution ID: 29

Type: **not specified**

## **LCLS II cavity HOM coupler tuning and measurements during cold test**

*Thursday, February 8, 2018 11:45 AM (15 minutes)*

**Presenter:** Dr KHABIBOULLINE, Timergali (FNAL)

**Session Classification:** WG-2 Session 1 - Couplers

Contribution ID: **30**

Type: **not specified**

## **Discussion**

*Thursday, February 8, 2018 12:00 PM (30 minutes)*

**Session Classification:** WG-2 Session 1 - Couplers



Contribution ID: 31

Type: **not specified**

## **Large Grain Cavities in a CEBAF Cryomodule**

*Tuesday, February 6, 2018 11:45 AM (15 minutes)*

**Presenter:** Dr CIOVATI, Gianluigi (JLAB)

**Session Classification:** WG-1 Session 1: CW SRF cavity operational challenges - high beta cavities

Contribution ID: 32

Type: **not specified**

## **Lessons learned from ADS spoke cavity tuners and helium vessels**

*Thursday, February 8, 2018 2:00 PM (15 minutes)*

**Presenter:** Dr ZHENGHUI, Mi (IHEP)

**Session Classification:** WG-2 Session 2 - Tuners

Contribution ID: 33

Type: **not specified**

## **Development of Tuners for LCLS-II (1.3 GHz, 3.9 GHz) and PIP II (all cavities)**

*Thursday, February 8, 2018 2:15 PM (30 minutes)*

**Presenter:** Dr PISCHALNIKOV, Yuriy (FNAL)

**Session Classification:** WG-2 Session 2 - Tuners

Contribution ID: **34**

Type: **not specified**

## **MYRRHA SC linac spoke cavity system**

*Thursday, February 8, 2018 2:45 PM (15 minutes)*

**Presenter:** Dr GANDOLFO, Nicolas (IPNO)

**Session Classification:** WG-2 Session 2 - Tuners

Contribution ID: 35

Type: **not specified**

## **IFMIF HWR - tbc**

Contribution ID: **36**

Type: **not specified**

## **C-ADS tuner systems**

*Thursday, February 8, 2018 3:00 PM (15 minutes)*

**Presenter:** Dr JIANG, Tiancai (IMP)

**Session Classification:** WG-2 Session 2 - Tuners

Contribution ID: 37

Type: **not specified**

## Discussion

*Thursday, February 8, 2018 3:15 PM (15 minutes)*

**Session Classification:** WG-2 Session 2 - Tuners

Contribution ID: **38**

Type: **not specified**

## **Spoke cavity cryomodule for C-ADS**

*Thursday, February 8, 2018 4:00 PM (15 minutes)*

**Presenter:** Dr GE, Rui (IHEP)

**Session Classification:** WG-2 Session 3 - Cryomodules



Contribution ID: 39

Type: **not specified**

## **CEA development for ESS cryomodules**

Contribution ID: 40

Type: **not specified**

## **Cryomodule for RIKEN QWR**

*Thursday, February 8, 2018 4:15 PM (15 minutes)*

**Presenter:** Dr OZEKI, Kazutaka (RIKEN)

**Session Classification:** WG-2 Session 3 - Cryomodules

Contribution ID: 41

Type: **not specified**

## **IFMIF HWR cryomodule and magnetic shield properties**

*Thursday, February 8, 2018 4:30 PM (15 minutes)*

**Presenter:** Dr PLOUIN, Juliette (CEA)

**Session Classification:** WG-2 Session 3 - Cryomodules

Contribution ID: 42

Type: **not specified**

## **Troubleshooting and stability analysis of CW RF operation at China ADS front-end demo linac**

*Thursday, February 8, 2018 4:45 PM (15 minutes)*

**Presenter:** Dr HE, Yuan (IMP)

**Session Classification:** WG-2 Session 3 - Cryomodules

Contribution ID: 43

Type: **not specified**

## Discussion

*Thursday, February 8, 2018 5:10 PM (20 minutes)*

**Session Classification:** WG-2 Session 3 - Cryomodules

Contribution ID: 44

Type: **not specified**

## **Experiment of Active Coil Cancellation on a LCLS-II cryomodule**

*Tuesday, February 6, 2018 12:00 PM (18 minutes)*

**Presenter:** CHANDRASEKARAN, S. (FNAL)

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF

Contribution ID: 45

Type: **not specified**

## **Flux expulsion experiments at KEK**

*Tuesday, February 6, 2018 12:18 PM (12 minutes)*

**Presenter:** Dr UMEMORI, Kensei (KEK)

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF

Contribution ID: 46

Type: **not specified**

## **Fundamental Studies of Flux Trapping**

*Tuesday, February 6, 2018 2:00 PM (20 minutes)*

**Presenter:** Dr POSEN, Sam (FNAL)

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF



Contribution ID: 47

Type: **not specified**

## **Achieving High Q in LCLS-II Cavity Production**

*Tuesday, February 6, 2018 2:20 PM (10 minutes)*

**Presenter:** Dr GONELLA, Dan (SLAC)

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF

Contribution ID: 48

Type: **not specified**

## **Trapped Flux Studies in Horizontal Tests**

*Tuesday, February 6, 2018 2:30 PM (15 minutes)*

**Presenter:** Dr KOESZEGI, Julia-marie (HZB)

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF

Contribution ID: 49

Type: **not specified**

## **Flux Expulsion of LCLS-II Cryomodules**

*Tuesday, February 6, 2018 2:45 PM (15 minutes)*

**Presenter:** Dr WU, Genfa (FNAL)

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF

Contribution ID: **50**

Type: **not specified**

## **Discussion**

*Tuesday, February 6, 2018 3:15 PM (15 minutes)*

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF

Contribution ID: 51

Type: **not specified**

## **Cavity Performance Limitations in FRIB Cryomodules**

*Tuesday, February 6, 2018 4:00 PM (15 minutes)*

**Presenter:** Dr SAITO, Kenji (FRIB)

**Session Classification:** WG-1 Session 3: CW SRF cavity operational challenges - low beta cavities

Contribution ID: 52

Type: **not specified**

## **Challenges and lessons learned for the RAON superconducting cavity and cryomodule development**

**Presenter:** Dr JUNG, Hoechun (IBS)

Contribution ID: 53

Type: **not specified**

## **Preparation, processing, assembling and testing of spoke resonators: from SSR1 jacketed cavities to string assembly**

*Tuesday, February 6, 2018 4:15 PM (15 minutes)*

**Presenter:** Dr PARISE, Mattia (FNAL)

**Session Classification:** WG-1 Session 3: CW SRF cavity operational challenges - low beta cavities

Contribution ID: 54

Type: **not specified**

## **Fabrication and VT results in RIKEN-QWR Cavity**

*Tuesday, February 6, 2018 4:30 PM (15 minutes)*

**Presenter:** Dr SAKAMOTO, Naruhiko (RIKEN)

**Session Classification:** WG-1 Session 3: CW SRF cavity operational challenges - low beta cavities



Contribution ID: 55

Type: **not specified**

## **Analysis of HIE ISOLDE cavity results**

*Tuesday, February 6, 2018 4:45 PM (15 minutes)*

**Presenter:** Dr MIYAZAKI, Akira (CERN)

**Session Classification:** WG-1 Session 3: CW SRF cavity operational challenges - low beta cavities

Contribution ID: 56

Type: **not specified**

## **Recent results of cavity infusion at DESY**

*Thursday, February 8, 2018 11:00 AM (15 minutes)*

**Presenter:** Dr BATE, Christopher (University of Hamburg)

**Session Classification:** WG-4 Session 1 - Up to 40 MV/m, N-infusion

Contribution ID: 57

Type: **not specified**

## **Field Emission Results for LCLS-II Production (VT to CM)**

*Wednesday, February 7, 2018 11:30 AM (15 minutes)*

**Presenter:** Dr GONELLA, Dan (SLAC)

**Session Classification:** WG-1 Session 4: Field Emission in CW SRF

Contribution ID: 58

Type: **not specified**

## **N-infusion at KEK / J-PARC**

*Thursday, February 8, 2018 11:15 AM (15 minutes)*

**Presenter:** Dr UMEMORI, Kensei (KEK)

**Session Classification:** WG-4 Session 1 - Up to 40 MV/m, N-infusion

Contribution ID: 59

Type: **not specified**

## **Progress in N-infusion at FNAL**

*Thursday, February 8, 2018 11:30 AM (15 minutes)*

**Presenter:** Dr CHECCHIN, Mattia (FNAL)

**Session Classification:** WG-4 Session 1 - Up to 40 MV/m, N-infusion

Contribution ID: **60**

Type: **not specified**

## **Sample study for N-infusion**

*Thursday, February 8, 2018 11:45 AM (15 minutes)*

**Presenter:** Dr SEMIONE, Guiherme (DESY)

**Session Classification:** WG-4 Session 1 - Up to 40 MV/m, N-infusion

Contribution ID: 61

Type: **not specified**

## **Latest material analysis on state of the art treatments (including doping and infusion cutouts)**

*Thursday, February 8, 2018 12:00 PM (15 minutes)*

**Presenter:** Dr SUNG, Zuwhan (FNAL)

**Session Classification:** WG-4 Session 1 - Up to 40 MV/m, N-infusion

Contribution ID: **62**

Type: **not specified**

## **Discussion**

*Thursday, February 8, 2018 12:15 PM (15 minutes)*

**Session Classification:** WG-4 Session 1 - Up to 40 MV/m, N-infusion



Contribution ID: 63

Type: **not specified**

## **Nb/Cu cavity development at IMP for the stable operation of high current CW beam**

*Tuesday, February 6, 2018 5:00 PM (15 minutes)*

**Presenter:** Dr TAN, Teng (IMP)

**Session Classification:** WG-1 Session 3: CW SRF cavity operational challenges - low beta cavities

Contribution ID: **64**

Type: **not specified**

## **Nb<sub>3</sub>Sn from Cornell**

*Thursday, February 8, 2018 2:00 PM (18 minutes)*

**Presenter:** Dr PORTER, Ryan (Cornell University)

**Session Classification:** WG-4 Session 2 - Higher than 50 MV/m

Contribution ID: 65

Type: **not specified**

## **Field Emission Comparison between CW and Pulsed Cryomodules**

*Wednesday, February 7, 2018 11:00 AM (15 minutes)*

**Presenter:** NAPOLY, Olivier (CEA)

**Session Classification:** WG-1 Session 4: Field Emission in CW SRF

Contribution ID: 66

Type: **not specified**

## **Current Understanding of Field Emission in CEBAF Linac**

*Wednesday, February 7, 2018 11:15 AM (15 minutes)*

**Presenter:** Dr GENG, Rongli (JLAB)

**Session Classification:** WG-1 Session 4: Field Emission in CW SRF

Contribution ID: 67

Type: **not specified**

## **Limiting defects on Nb<sub>3</sub>Sn coating cavity at FNAL**

*Thursday, February 8, 2018 2:18 PM (18 minutes)*

**Presenter:** Dr LEE, Jae-Yel (Northwestern University)

**Session Classification:** WG-4 Session 2 - Higher than 50 MV/m

Contribution ID: **68**

Type: **not specified**

## **RF critical field of Nb<sub>3</sub>Sn and N-doped niobium**

*Thursday, February 8, 2018 2:36 PM (18 minutes)*

**Presenter:** Dr KECKERT, Sebastian (HZB)

**Session Classification:** WG-4 Session 2 - Higher than 50 MV/m

Contribution ID: 69

Type: **not specified**

## **Higher gradients by utilizing non-equilibrium superconductivity**

*Thursday, February 8, 2018 2:54 PM (18 minutes)*

**Presenter:** Dr ROMANENKO, Alex (FNAL)

**Session Classification:** WG-4 Session 2 - Higher than 50 MV/m

Contribution ID: 70

Type: **not specified**

## **Theoretical issues related to N-infusion - tbc**



Contribution ID: 71

Type: **not specified**

## Discussion

*Thursday, February 8, 2018 3:12 PM (18 minutes)*

**Session Classification:** WG-4 Session 2 - Higher than 50 MV/m

Contribution ID: 72

Type: **not specified**

## **SRF system for a new 6 GeV synchrotron light source in Beijing**

*Wednesday, February 7, 2018 11:45 AM (15 minutes)*

**Presenter:** Dr ZHANG, Pei (IHEP)

**Session Classification:** WG-1 Session 5: Planned CW SRF

Contribution ID: 73

Type: **not specified**

## Higher Harmonic Cavity for Bessy Upgrade

*Wednesday, February 7, 2018 12:00 PM (15 minutes)*

**Presenter:** Dr TSAKANIAN, Andranik (HZB)

**Session Classification:** WG-1 Session 5: Planned CW SRF

Contribution ID: 74

Type: **not specified**

## **Developing 3.9 GHz cavities for CW SCLF**

*Wednesday, February 7, 2018 12:15 PM (15 minutes)*

**Presenter:** Dr CHEN, Jinfang (SINAP)

**Session Classification:** WG-1 Session 5: Planned CW SRF

Contribution ID: 75

Type: **not specified**

## **Challenges with PIP-II cryomodule**

*Thursday, February 8, 2018 4:15 PM (15 minutes)*

**Presenter:** Dr ROWE, Allan (FNAL)

**Session Classification:** WG-4 Session 3 - Pulsed cryomodules and components

Contribution ID: 76

Type: **not specified**

## **Experience with commissioning of high-Gradient cryomodule for Euro-XFEL**

*Thursday, February 8, 2018 4:30 PM (15 minutes)*

**Presenter:** Dr OMET, Mathieu (DESY)

**Session Classification:** WG-4 Session 3 - Pulsed cryomodules and components

Contribution ID: 77

Type: **not specified**

## **LFD compensation for high-gradient cryomodule**

*Thursday, February 8, 2018 4:45 PM (15 minutes)*

**Presenter:** Dr PISHALNIKOV, Yuriy (FNAL)

**Session Classification:** WG-4 Session 3 - Pulsed cryomodules and components

Contribution ID: 78

Type: **not specified**

## **LLRF commissioning of 25MeV Proton SC Linac and design for 500MeV CW Linac**

*Tuesday, February 6, 2018 11:00 AM (22 minutes)*

**Presenter:** Dr GAO, Zheng (IMP)

**Session Classification:** WG-3 Session 1



Contribution ID: 79

Type: **not specified**

## High power coupler

*Thursday, February 8, 2018 4:00 PM (15 minutes)*

**Presenter:** Dr YAMAMOTO, Yasuchika (KEK)

**Session Classification:** WG-4 Session 3 - Pulsed cryomodules and components

Contribution ID: **80**

Type: **not specified**

## **FNAL CM2 with beam - new record**

*Thursday, February 8, 2018 5:00 PM (15 minutes)*

**Presenter:** Dr BROEMMELSIEK, Daniel (FNAL)

**Session Classification:** WG-4 Session 3 - Pulsed cryomodules and components

Contribution ID: **81**

Type: **not specified**

## **SNS LLRF/Operation Experience**

*Tuesday, February 6, 2018 11:22 AM (22 minutes)*

**Presenter:** Dr CROFFORD, Mark (SNS)

**Session Classification:** WG-3 Session 1

Contribution ID: 83

Type: **not specified**

## **Discussion on optimum condition for larger beam current operation**

*Thursday, February 8, 2018 5:15 PM (15 minutes)*

**Presenter:** Dr MAMMOSSER, John (SNS)

**Session Classification:** WG-4 Session 3 - Pulsed cryomodules and components

Contribution ID: **84**

Type: **not specified**

## **CEBAF LLRF and C100 Experience**

*Tuesday, February 6, 2018 11:44 AM (22 minutes)*

**Presenter:** Dr HOVATER, Curt (JLAB)

**Session Classification:** WG-3 Session 1

Contribution ID: **85**

Type: **not specified**

## **LLRF of the European XFEL**

*Tuesday, February 6, 2018 12:06 PM (22 minutes)*

**Presenter:** Dr OMET, M. (Deutsches Elektronen-Synchrotron)

**Session Classification:** WG-3 Session 1

Contribution ID: **86**

Type: **not specified**

## **Microphonics**

*Tuesday, February 6, 2018 2:00 PM (22 minutes)*

**Presenter:** Dr NEUMANN, A. (HZB)

**Session Classification:** WG-3 Session 2

Contribution ID: 87

Type: **not specified**

## **Microphonics Experience at cERL**

*Tuesday, February 6, 2018 2:22 PM (23 minutes)*

**Primary author:** Dr SAKAI, Hiroshi

**Presenter:** Dr SAKAI, Hiroshi (KEK)

**Session Classification:** WG-3 Session 2



Contribution ID: **88**

Type: **not specified**

## **He Pressure effects in CW cryomodules**

*Tuesday, February 6, 2018 2:45 PM (22 minutes)*

**Presenter:** Dr DALY, Ed (JLAB)

**Session Classification:** WG-3 Session 2

Contribution ID: 89

Type: **not specified**

## **Impact of Thermo-acoustics oscillations on the LCLS II CM microphonics**

*Tuesday, February 6, 2018 3:07 PM (23 minutes)*

**Presenter:** Dr PISCHALNIKOV, Yuriy (FNAL)

**Session Classification:** WG-3 Session 2

Contribution ID: **90**

Type: **not specified**

## **Resonance Control at FNAL**

*Tuesday, February 6, 2018 4:00 PM (30 minutes)*

**Presenter:** Dr PISCHALNIKOV, Yuriy (FNAL)

**Session Classification:** WG-3 Session 3

Contribution ID: 91

Type: **not specified**

## **Microphonics measurement and compensation in SRF cavities**

*Tuesday, February 6, 2018 4:30 PM (30 minutes)*

**Presenter:** Dr RYBANIEC, Radoslaw (DESY)

**Session Classification:** WG-3 Session 3

Contribution ID: 92

Type: **not specified**

## **Passive Microphonics Control**

*Tuesday, February 6, 2018 5:00 PM (30 minutes)*

**Presenter:** Dr POWERS, Tom (JLAB)

**Session Classification:** WG-3 Session 3

Contribution ID: 93

Type: **not specified**

## **Microphonic Noise and Mechanical Resonances at CMTF and the European XFEL**

*Wednesday, February 7, 2018 11:00 AM (18 minutes)*

**Presenter:** Mr BELLANDI, Andrea (DESY)

**Session Classification:** WG-3 Session 4

Contribution ID: 94

Type: **not specified**

## **Individual and vector sum CW operation of X-FEL module in high QI (6e7) conditions**

*Wednesday, February 7, 2018 11:18 AM (18 minutes)*

**Presenter:** Dr CICHALEWSKI, Wojciech (DMCS)

**Session Classification:** WG-3 Session 4

Contribution ID: 95

Type: **not specified**

## **CEBAF Gradient Team**

*Wednesday, February 7, 2018 11:36 AM (18 minutes)*

**Presenter:** Dr MOUNTS, Clyde (JLAB)

**Session Classification:** WG-3 Session 4



Contribution ID: 96

Type: **not specified**

## **The challenge of operating a superconducting cavity at 5 Hz bandwidth**

*Wednesday, February 7, 2018 11:54 AM (18 minutes)*

**Presenter:** Dr VALUCH, Daniel (CERN)

**Session Classification:** WG-3 Session 4

Contribution ID: 97

Type: **not specified**

## **Plasma ignition in LCLS-II cavities**

*Wednesday, February 7, 2018 4:00 PM (10 minutes)*

**Presenter:** Dr MARTINELLO, Martina (FNAL)

**Session Classification:** Hot-topic: Performance recovery: Cavity, Modules, Linacs

Contribution ID: 98

Type: **not specified**

## **Multipacting and conditioning cases for EU-XFEL**

*Wednesday, February 7, 2018 4:10 PM (10 minutes)*

**Presenter:** Dr KOSTIN, Denis (DESY)

**Session Classification:** Hot-topic: Performance recovery: Cavity, Modules, Linacs

Contribution ID: 99

Type: **not specified**

## **Performance recovery on CEBAF**

*Wednesday, February 7, 2018 4:20 PM (10 minutes)*

**Presenter:** Dr DRURY, Mike (JLAB)

**Session Classification:** Hot-topic: Performance recovery: Cavity, Modules, Linacs

Contribution ID: **100**

Type: **not specified**

## **Performance recovery by using horizontal HPR**

*Wednesday, February 7, 2018 4:30 PM (10 minutes)*

**Presenters:** Dr KAKO, Eiji (KEK); Dr NISHIWAKI, Michiru (KEK)

**Session Classification:** Hot-topic: Performance recovery: Cavity, Modules, Linacs

Contribution ID: **101**

Type: **not specified**

## **Strategy for operation and recovery of performance at SNS**

*Wednesday, February 7, 2018 4:40 PM (10 minutes)*

**Presenter:** Dr MAMMOSSER, John (SNS)

**Session Classification:** Hot-topic: Performance recovery: Cavity, Modules, Linacs

Contribution ID: **102**

Type: **not specified**

## **Cavity performance recovery activities at IMP**

**Presenter:** Dr ZHANG, Shenghu (IMP)

Contribution ID: **103**

Type: **not specified**

## **Discussion**

*Wednesday, February 7, 2018 4:50 PM (40 minutes)*

**Session Classification:** Hot-topic: Performance recovery: Cavity, Modules, Linacs



Contribution ID: **104**

Type: **not specified**

## Discussion

Contribution ID: **105**

Type: **not specified**

## **Trapped Flux Studies on Low Beta Cavities at IPNO**

*Tuesday, February 6, 2018 3:00 PM (15 minutes)*

**Presenter:** Dr LONGUEVERGNE, David (IPN Orsay)

**Session Classification:** WG-1 Session 2: Flux Trapping in CW SRF

Contribution ID: **106**

Type: **not specified**

## **Discussion**

*Tuesday, February 6, 2018 12:28 PM (2 minutes)*

**Session Classification:** WG-3 Session 1

Contribution ID: **107**

Type: **not specified**

## **JLAB CMTF Fast Cooldown**

*Thursday, February 8, 2018 5:00 PM (10 minutes)*

**Presenter:** Dr HUQUE, Naeem

**Session Classification:** WG-2 Session 3 - Cryomodules

Contribution ID: **108**

Type: **not specified**

## Discussion

*Tuesday, February 6, 2018 5:15 PM (15 minutes)*

**Session Classification:** WG-1 Session 3: CW SRF cavity operational challenges - low beta cavities

Contribution ID: **109**

Type: **not specified**

## **Early Results of the LCLS-II LLRF System**

*Wednesday, February 7, 2018 12:12 PM (18 minutes)*

**Presenter:** Dr RATTI, Alessandro

**Session Classification:** WG-3 Session 4