

# **TTC 2019, TESLA Technology Collaboration**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome, Introduction, Logistics

*Tuesday, 5 February 2019 09:00 (15 minutes)*

**Primary author:** LAXDAL, Robert (TRIUMF)

**Presenter:** LAXDAL, Robert (TRIUMF)

**Session Classification:** Opening Plenary Session

Contribution ID: 1

Type: **not specified**

## **TTC Chairman's Report**

*Tuesday, 5 February 2019 09:15 (15 minutes)*

**Primary author:** WEISE, Hans (DESY)

**Presenter:** WEISE, Hans (DESY)

**Session Classification:** Opening Plenary Session

Contribution ID: 2

Type: **not specified**

## **TRIUMF overview and SRF activities**

*Tuesday, 5 February 2019 09:30 (30 minutes)*

**Primary author:** YAO, Zhongyuan (TRIUMF)

**Presenter:** YAO, Zhongyuan (TRIUMF)

**Session Classification:** Opening Plenary Session

Contribution ID: 3

Type: **not specified**

## **FRIB Cavity Performance Statistics and Lessons Learned**

*Tuesday, 5 February 2019 10:00 (30 minutes)*

**Primary author:** POPIELARSKI, John (FRIB)

**Presenter:** POPIELARSKI, John (FRIB)

**Session Classification:** Opening Plenary Session

Contribution ID: 5

Type: **not specified**

## **Summary of Recent Progress in High Q and High Gradient Research**

*Wednesday, 6 February 2019 09:00 (30 minutes)*

**Primary author:** GRASSELLINO, Anna (FNAL)

**Presenter:** GRASSELLINO, Anna (FNAL)

**Session Classification:** Plenary Session 2

Contribution ID: 6

Type: **not specified**

## **LCLS-II –the Issues and Path Forward**

*Wednesday, 6 February 2019 09:30 (30 minutes)*

**Primary author:** BURRILL, Andrew (LCLS-II)

**Presenter:** BURRILL, Andrew (LCLS-II)

**Session Classification:** Plenary Session 2

Contribution ID: 7

Type: **not specified**

## **First Crabbing of a Proton Beam**

*Wednesday, 6 February 2019 10:00 (30 minutes)*

**Primary author:** CALAGA, Rama (CERN)

**Presenter:** CALAGA, Rama (CERN)

**Session Classification:** Plenary Session 2



Contribution ID: 9

Type: **not specified**

## **Report from the Second Topical Workshop on Microphonics, LLRF Workshop Series, Brooklyn, NY, October 25-26, 2018**

*Thursday, 7 February 2019 14:00 (30 minutes)*

**Primary authors:** HOVATER, Curt (JLAB); SMITH, Kevin (BNL)

**Presenters:** HOVATER, Curt (JLAB); SMITH, Kevin (BNL)

**Session Classification:** Plenary Session #3

Contribution ID: 10

Type: **not specified**

## **Report from the 8th International Workshop on Thin Films and New Ideas for Pushing the Limits of RF Superconductivity, INFN/Legnaro, October 8-10, 2018**

*Thursday, 7 February 2019 14:30 (30 minutes)*

**Primary author:** VALENTE-FELICIANO, Anne-Marie (JLAB)

**Presenter:** VALENTE-FELICIANO, Anne-Marie (JLAB)

**Session Classification:** Plenary Session #3

Contribution ID: 11

Type: **not specified**

## **Report from the TTC/ARIES topical workshop on flux trapping and magnetic shielding, CERN, November 8-9, 2018**

*Thursday, 7 February 2019 15:00 (30 minutes)*

**Primary author:** VENTURINI-DELSOLARO, Walter (CERN)

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

**Session Classification:** Plenary Session #3

Contribution ID: 12

Type: **not specified**

## **WG1 Report**

*Friday, 8 February 2019 11:00 (15 minutes)*

**Primary authors:** BRANLARD, Julien (DESY); Dr GENG, Rong-Li (Jefferson Lab)

**Presenters:** BRANLARD, Julien (DESY); Dr GENG, Rong-Li (Jefferson Lab)

**Session Classification:** Closing Plenary Session

Contribution ID: 13

Type: **not specified**

## **WG2 Report**

*Friday, 8 February 2019 11:15 (15 minutes)*

**Primary authors:** MARTINELLO, Martina (FNAL); Dr KUGELER, Oliver (Helmholtz Zentrum Berlin)

**Presenters:** MARTINELLO, Martina (FNAL); Dr KUGELER, Oliver (Helmholtz Zentrum Berlin)

**Session Classification:** Closing Plenary Session

Contribution ID: 14

Type: **not specified**

## **WG3 Report**

*Friday, 8 February 2019 11:30 (15 minutes)*

**Primary authors:** Mr UMEMORI, Kensei (KEK); Mr WENSKAT, Marc (DESY)

**Presenters:** Mr UMEMORI, Kensei (KEK); Mr WENSKAT, Marc (DESY)

**Session Classification:** Closing Plenary Session

Contribution ID: 15

Type: **not specified**

## WG4 Report

*Friday, 8 February 2019 11:45 (15 minutes)*

**Primary authors:** Dr SAKAMOTO, Naruhiko (RIKEN Nishina Center); BERRY, Stephane (CEA Saclay); Mr NICOL, Thomas (Fermilab)

**Presenters:** Dr SAKAMOTO, Naruhiko (RIKEN Nishina Center); BERRY, Stephane (CEA Saclay); Mr NICOL, Thomas (Fermilab)

**Session Classification:** Closing Plenary Session

Contribution ID: 16

Type: **not specified**

## Technical Board Report

*Friday, 8 February 2019 12:00 (15 minutes)*

**Primary author:** KAKO, Eiji (KEK)

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

**Session Classification:** Closing Plenary Session



Contribution ID: 17

Type: **not specified**

## Chairman's Report

*Friday, 8 February 2019 12:15 (15 minutes)*

**Primary author:** WEISE, Hans (DESY)

**Presenter:** WEISE, Hans (DESY)

**Session Classification:** Closing Plenary Session

Contribution ID: **18**

Type: **not specified**

## Closing Remarks

*Friday, 8 February 2019 12:30 (10 minutes)*

**Primary author:** LAXDAL, Robert (TRIUMF)

**Presenter:** LAXDAL, Robert (TRIUMF)

**Session Classification:** Closing Plenary Session

Contribution ID: 19

Type: **not specified**

## **muSR and beta-NMR - probing the superconducting state**

*Friday, 8 February 2019 09:00 (45 minutes)*

**Primary author:** KIEFL, Rob (UBC/TRIUMF)

**Presenter:** KIEFL, Rob (UBC/TRIUMF)

**Session Classification:** Seminar Session

Contribution ID: 20

Type: **not specified**

## **First Science from XFEL**

*Friday, 8 February 2019 09:45 (45 minutes)*

**Primary author:** BARTY, Anton (CFEL)

**Presenter:** BARTY, Anton (CFEL)

**Session Classification:** Seminar Session

Contribution ID: 21

Type: **not specified**

## **Long Term Operation of a Large Ensemble of SRF Cavities in CEBAF**

*Tuesday, 5 February 2019 11:00 (20 minutes)*

**Primary author:** FREYBERGER, Arne (JLab)

**Presenter:** FREYBERGER, Arne (JLab)

**Session Classification:** WG1 Session 1

Contribution ID: 22

Type: **not specified**

## **Overview of 12 year operation of the SCL at SNS**

*Tuesday, 5 February 2019 11:20 (20 minutes)*

**Primary authors:** Mr MAMMOSSER, John (SNS); KIM, Sang-Ho (ORNL)

**Presenters:** Mr MAMMOSSER, John (SNS); KIM, Sang-Ho (ORNL)

**Session Classification:** WG1 Session 1

Contribution ID: 23

Type: **not specified**

## Summary of the maximum SCRF voltage in XFEL

*Tuesday, 5 February 2019 11:40 (20 minutes)*

**Primary author:** WALKER, Nick (DESY)

**Presenter:** WALKER, Nick (DESY)

**Session Classification:** WG1 Session 1

Contribution ID: 25

Type: **not specified**

## **Operation and performance limits of the LHC cryomodule**

*Tuesday, 5 February 2019 12:00 (15 minutes)*

**Primary author:** TURAJ, Katarzyna (CERN)

**Presenter:** TURAJ, Katarzyna (CERN)

**Session Classification:** WG1 Session 1



Contribution ID: 26

Type: **not specified**

## **Long term experience at INFN Legnaro**

*Tuesday, 5 February 2019 14:00 (18 minutes)*

**Primary author:** BISOFFI, Giovanni (LNL INFN)

**Presenter:** BISOFFI, Giovanni (INFN-LNL)

**Session Classification:** WG1 Session 2

Contribution ID: 27

Type: **not specified**

## **Experience with LCLS-II Cavity and Cryomodule Tests at Fermilab**

*Tuesday, 5 February 2019 14:18 (18 minutes)*

**Primary author:** HARMS, Elvin (Fermilab)

**Presenter:** HARMS, Elvin (Fermilab)

**Session Classification:** WG1 Session 2

Contribution ID: 28

Type: **not specified**

## **Field Emission and Mitigation in the CEBAF Linacs**

*Tuesday, 5 February 2019 14:36 (18 minutes)*

**Primary authors:** LEGG, Robert (JLab); GENG, Rongli (JLab)

**Presenters:** LEGG, Robert (JLAB); GENG, Rongli (JLab)

**Session Classification:** WG1 Session 2

Contribution ID: 29

Type: **not specified**

## **Exceptional events during operation of the European XFEL**

*Tuesday, 5 February 2019 14:54 (18 minutes)*

**Primary author:** OMET, Mathieu (DESY)

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

**Session Classification:** WG1 Session 2

Contribution ID: 30

Type: **not specified**

## **Operational Experience of Cavity/CMs in ISAC-II QWR Linac**

*Tuesday, 5 February 2019 15:12 (18 minutes)*

**Primary author:** YAO, Zhongyuan (TRIUMF)

**Presenter:** YAO, Zhongyuan (TRIUMF)

**Session Classification:** WG1 Session 2

Contribution ID: 31

Type: **not specified**

## **LLRF system performance limiting factors during CW operation of high QI cavities cryomodule**

*Tuesday, 5 February 2019 16:18 (18 minutes)*

**Primary author:** CICHALEWSKI, Wojciech (LUT-DMCS)

**Presenter:** CICHALEWSKI, Wojciech (LUT-DMCS)

**Session Classification:** WG1 Session 3

Contribution ID: 33

Type: **not specified**

## **LLRF compensation and mitigation of two cavity instability**

*Tuesday, 5 February 2019 16:36 (18 minutes)*

**Primary author:** LEEWE, Ramona (TRIUMF)

**Presenter:** LEEWE, Ramona (TRIUMF)

**Session Classification:** WG1 Session 3

Contribution ID: 34

Type: **not specified**

## **CEBAF C100 Fault Classification Based on Time Domain RF Signals**

*Tuesday, 5 February 2019 16:54 (18 minutes)*

**Primary author:** POWERS, Tom (JLab)

**Presenter:** POWERS, Tom (JLab)

**Session Classification:** WG1 Session 3



Contribution ID: 35

Type: **not specified**

## **Long Term Experience with SRF Linac at ELBE**

*Tuesday, 5 February 2019 16:00 (18 minutes)*

**Primary author:** Prof. MICHEL, Peter (ELBE)

**Presenter:** Prof. MICHEL, Peter (ELBE)

**Session Classification:** WG1 Session 3

Contribution ID: 36

Type: **not specified**

## **The 8T solenoid and the local magnetic shielding in the FRIB cryomodules**

*Wednesday, 6 February 2019 11:00 (18 minutes)*

**Primary author:** SAITO, Kenji (FRIB)

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

**Session Classification:** WG1 Session 4

Contribution ID: 37

Type: **not specified**

## **Comparison of 4K/2K operation performance in CEBAF injector cryomodules**

*Wednesday, 6 February 2019 11:18 (18 minutes)*

**Primary author:** EREMEEV, Grigory (JLab)

**Presenter:** EREMEEV, Grigory (JLab)

**Session Classification:** WG1 Session 4

Contribution ID: 38

Type: **not specified**

## **Experience with the CeC PoP 4K 1/4 Wave Photocathode Gun and 2K 5-Cell Cavity at RHIC**

*Wednesday, 6 February 2019 11:36 (18 minutes)*

**Primary author:** SMITH, Kevin (BNL)

**Presenter:** SMITH, Kevin (BNL)

**Session Classification:** WG1 Session 4

Contribution ID: 39

Type: **not specified**

## **Experience with cryogenics induced microphonics in LCLS-II cryomodules**

*Wednesday, 6 February 2019 11:54 (18 minutes)*

**Primary author:** PETERSON, Tom (SLAC)

**Presenter:** PETERSON, Tom (SLAC)

**Session Classification:** WG1 Session 4

Contribution ID: 40

Type: **not specified**

## **Commissioning of 704MHz SRF booster cavity for LEReC**

*Wednesday, 6 February 2019 12:12 (18 minutes)*

**Primary author:** XU, Wencan (BNL)

**Presenter:** XU, Wencan (BNL)

**Session Classification:** WG1 Session 4

Contribution ID: 41

Type: **not specified**

## **Results of N-infusion at KEK new furnace**

*Wednesday, 6 February 2019 14:00 (18 minutes)*

**Primary author:** UMEMORI, Kensei (KEK)

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

**Session Classification:** WG3 Session 1

Contribution ID: 42

Type: **not specified**

## **Cryo-AFM R&D**

*Wednesday, 6 February 2019 14:18 (18 minutes)*

**Primary author:** SUNG, Zhuawn (FNAL)

**Presenter:** SUNG, Zhuawn (FNAL)

**Session Classification:** WG3 Session 1



Contribution ID: 43

Type: **not specified**

## **Infusion R&D at DESY**

*Wednesday, 6 February 2019 14:36 (18 minutes)*

**Primary author:** WENSKAT, Marc (DESY)

**Presenter:** WENSKAT, Marc (DESY)

**Session Classification:** WG3 Session 1

Contribution ID: 44

Type: **not specified**

## **JLab work on low(er) temperature near-surface diffusion post 800C(or higher) anneal of Nb - aka "infusion"**

*Wednesday, 6 February 2019 14:54 (18 minutes)*

**Primary author:** DHAKAL, Pashupati (JLab)

**Presenter:** DHAKAL, Pashupati (JLab)

**Session Classification:** WG3 Session 1

Contribution ID: 45

Type: **not specified**

## **Infusion R&D at Cornell**

*Wednesday, 6 February 2019 15:12 (18 minutes)*

**Primary author:** MANISCALCO, James (Cornell)

**Presenter:** MANISCALCO, James (Cornell)

**Session Classification:** WG3 Session 1

Contribution ID: 46

Type: **not specified**

## **The LCLS-II HE High Q and Gradient R&D Program**

*Wednesday, 6 February 2019 16:00 (18 minutes)*

**Primary author:** GONNELLA, Dan (SLAC)

**Presenter:** GONNELLA, Dan (SLAC)

**Session Classification:** WG3 Session 2

Contribution ID: 47

Type: **not specified**

## **Quench studies in single and multicell N-doped cavities**

*Wednesday, 6 February 2019 16:18 (18 minutes)*

**Primary author:** BAFIA, Daniel (FNAL)

**Presenter:** BAFIA, Daniel (FNAL)

**Session Classification:** WG3 Session 2

Contribution ID: 48

Type: **not specified**

## **LCLS-II Doping / High Q/Gradient - Jlab**

*Wednesday, 6 February 2019 16:36 (18 minutes)*

**Primary author:** PALCZEWSKI, Ari (JLab)

**Presenter:** PALCZEWSKI, Ari (JLab)

**Session Classification:** WG3 Session 2

Contribution ID: 49

Type: **not specified**

## **Thermal diffusivity measurements on niobium**

*Wednesday, 6 February 2019 16:54 (18 minutes)*

**Primary author:** MYNENI, Ganapati (JLab)

**Presenter:** MYNENI, Ganapati (JLab)

**Session Classification:** WG3 Session 2

Contribution ID: 50

Type: **not specified**

## **N doping results on 650 MHz cavities**

*Wednesday, 6 February 2019 17:12 (18 minutes)*

**Primary author:** MARTINELLO, Martina (FNAL)

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

**Session Classification:** WG3 Session 2



Contribution ID: 51

Type: **not specified**

## Discussion of Questionnaire

*Thursday, 7 February 2019 09:00 (18 minutes)*

**Presenter:** WENSKAT, Marc (DESY)

**Session Classification:** WG3 Session 3

Contribution ID: 52

Type: **not specified**

## **Low T baking studies for KEK cavities**

*Thursday, 7 February 2019 09:18 (18 minutes)*

**Primary author:** UMEMORI, Kensei (KEK)

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

**Session Classification:** WG3 Session 3

Contribution ID: 53

Type: **not specified**

## **Low T Bake - cool down studies**

*Thursday, 7 February 2019 09:36 (18 minutes)*

**Primary author:** BAFIA, Daniel (FNAL)

**Presenter:** BAFIA, Daniel (FNAL)

**Session Classification:** WG3 Session 3

Contribution ID: 54

Type: **not specified**

## **Baking R&D at DESY**

*Thursday, 7 February 2019 09:54 (18 minutes)*

**Primary author:** STEDER, Lea (DESY)

**Presenter:** STEDER, Lea (DESY)

**Session Classification:** WG3 Session 3

Contribution ID: 55

Type: **not specified**

## Low T Bake Cornell

*Thursday, 7 February 2019 10:12 (18 minutes)*

**Primary author:** MANISCALCO, James (Cornell)

**Presenter:** MANISCALCO, James (Cornell)

**Session Classification:** WG3 Session 3

Contribution ID: 56

Type: **not specified**

## **Low $\beta$ Cavity Performance Improvement Studies using Multimode Resonators**

*Thursday, 7 February 2019 11:00 (18 minutes)*

**Primary author:** KOLB, Philipp (TRIUMF)

**Presenter:** KOLB, Philipp (TRIUMF)

**Session Classification:** WG3 Session 4

Contribution ID: 57

Type: **not specified**

## **Frequency dependence studies of Nb<sub>3</sub>Sn cavities**

*Thursday, 7 February 2019 11:18 (18 minutes)*

**Primary author:** POSEN, Sam (FNAL)

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

**Session Classification:** WG3 Session 4

Contribution ID: 58

Type: **not specified**

## Update on Nb<sub>3</sub>Sn R&D at Cornell

*Thursday, 7 February 2019 11:36 (18 minutes)*

**Primary author:** PORTER, Ryan (Cornell)

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

**Session Classification:** WG3 Session 4



Contribution ID: 59

Type: **not specified**

## **Nb/Cu by energetic condensation and SIS multilayers**

*Thursday, 7 February 2019 11:54 (18 minutes)*

**Primary author:** VALENTE-FELICIANO, Anne-Marie (JLAB)

**Presenter:** VALENTE-FELICIANO, Anne-Marie (JLAB)

**Session Classification:** WG3 Session 4

Contribution ID: **60**

Type: **not specified**

## Discussion

*Thursday, 7 February 2019 12:12 (18 minutes)*

**Presenter:** WENSKAT, Marc (DESY)

**Session Classification:** WG3 Session 4

Contribution ID: **61**

Type: **not specified**

## **Introduction WG2**

*Tuesday, 5 February 2019 11:00 (10 minutes)*

**Primary author:** MARTINELLO, Martina (FNAL)

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

**Session Classification:** WG2 Session 1

Contribution ID: 62

Type: **not specified**

## **Field emission study on cERL main linac cryomodule**

*Tuesday, 5 February 2019 11:10 (20 minutes)*

**Primary author:** UMEMORI, Kensei (KEK)

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

**Session Classification:** WG2 Session 1

Contribution ID: 63

Type: **not specified**

## **Field emission studies for ESS prototype cryomodules and vertical test diagnostic**

*Tuesday, 5 February 2019 11:30 (20 minutes)*

**Primary author:** BERRY, stephane (CEA Saclay)

**Presenters:** CENNI, Enrico (CEA Saclay); BERRY, stephane (CEA Saclay)

**Session Classification:** WG2 Session 1

Contribution ID: 64

Type: **not specified**

## **Plans for beam-loss and field-emission detection in LCLS-2**

*Tuesday, 5 February 2019 11:50 (20 minutes)*

**Primary author:** FISHER, Alan (SLAC)

**Presenter:** FISHER, Alan (SLAC)

**Session Classification:** WG2 Session 1

Contribution ID: 65

Type: **not specified**

## Overview on coupler protection

*Tuesday, 5 February 2019 12:10 (10 minutes)*

**Primary author:** POWERS, Tom (JLAB)

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

**Session Classification:** WG2 Session 1

Contribution ID: 66

Type: **not specified**

## **Robotic High Pressure Rinsing of Complex Geometry SRF Cavities**

*Tuesday, 5 February 2019 14:00 (18 minutes)*

**Primary author:** WHALEY, Joe (FRIB)

**Presenter:** WHALEY, Joe (FRIB)

**Session Classification:** WG2 Session 2



Contribution ID: 67

Type: **not specified**

## **The use of robotics in cavity preparation and assembly procedures**

*Tuesday, 5 February 2019 14:18 (18 minutes)*

**Primary author:** BERRY, Stephane (CEA Saclay)

**Presenter:** BERRY, Stephane (CEA Saclay)

**Session Classification:** WG2 Session 2

Contribution ID: **68**

Type: **not specified**

## **Plasma cleaning development for LCLS-II cavities**

*Tuesday, 5 February 2019 14:36 (18 minutes)*

**Primary author:** GIACONNE, Bianca (FNAL)

**Presenter:** GIACCONE, Bianca (FNAL)

**Session Classification:** WG2 Session 2

Contribution ID: 69

Type: **not specified**

## **T-mapping, B-measurements and vertical diagnostics at Cornell**

*Tuesday, 5 February 2019 14:54 (18 minutes)*

**Primary author:** PORTER, Ryan (Cornell)

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

**Session Classification:** WG2 Session 2

Contribution ID: 70

Type: **not specified**

## **INFN-LASA experience on vertical cold test diagnostics**

*Tuesday, 5 February 2019 15:12 (18 minutes)*

**Primary author:** PAGANI, Carlo (INFN Milano - LASA)

**Presenter:** PAGANI, Carlo (INFN Milano - LASA)

**Session Classification:** WG2 Session 2

Contribution ID: 71

Type: **not specified**

## **Combined magnetometric and thermometric characterisation of a TESLA type cavity cooled down in an external magnetic field**

*Tuesday, 5 February 2019 16:00 (18 minutes)*

**Primary author:** KUGELER, Oliver (HZB)

**Presenter:** KUGELER, Oliver (HZB)

**Session Classification:** WG2 Session 3

Contribution ID: 72

Type: **not specified**

## **Transition Edge Sensors for Thermal Mapping as a diagnostics tool on bulk Niobium SRF Cavities**

*Tuesday, 5 February 2019 16:18 (18 minutes)*

**Primary author:** VANDONI, Giovanna (CERN)

**Presenter:** VANDONI, Giovanna (CERN)

**Session Classification:** WG2 Session 3

Contribution ID: 73

Type: **not specified**

## **Magnetic field sensors and measurements in cryomodules**

*Tuesday, 5 February 2019 16:36 (18 minutes)*

**Primary author:** WU, Genfa (FNAL)

**Presenters:** WU, Genfa (FNAL); POSEN, Sam (Fermilab)

**Session Classification:** WG2 Session 3

Contribution ID: 74

Type: **not specified**

## **Three Axis Helmholtz coil Configuration for Flux Trapping Studies at TRIUMF**

*Tuesday, 5 February 2019 16:54 (18 minutes)*

**Primary author:** COTE, Andrew (UBC)

**Presenter:** COTE, Andrew (UBC)

**Session Classification:** WG2 Session 3



Contribution ID: 75

Type: **not specified**

## **Magnetic Field Diagnostics at the DESY Vertical Teststands**

*Tuesday, 5 February 2019 17:12 (18 minutes)*

**Primary author:** WENSKAT, Marc (DESY)

**Presenter:** WENSKAT, Marc (DESY)

**Session Classification:** WG2 Session 3

Contribution ID: 76

Type: **not specified**

## **HF-free bipolar EP - progress unraveling the mechanism and optimizing for multi-cell cavities**

*Wednesday, 6 February 2019 11:00 (18 minutes)*

**Primary authors:** REECE, Charles (JLAB); TIAN, Hui (JLab)

**Presenters:** REECE, Charles (JLAB); TIAN, Hui (JLAB)

**Session Classification:** WG2 Session 4

Contribution ID: 77

Type: **not specified**

## **Cavity etching via rf Ar/Cl plasma**

*Wednesday, 6 February 2019 11:18 (18 minutes)*

**Primary author:** PESH, Jeremy (ODU)

**Presenter:** PESH, Jeremy (ODU)

**Session Classification:** WG2 Session 4

Contribution ID: 78

Type: **not specified**

## **Green processing of cavities via vibro-tumbling**

*Wednesday, 6 February 2019 11:36 (18 minutes)*

**Primary author:** PIRA, Cristian (INFN-LNL)

**Presenter:** PIRA, Cristian (INFN-LNL)

**Session Classification:** WG2 Session 4

Contribution ID: 79

Type: **not specified**

## **Vertical EP and green EP progress at Cornell**

*Wednesday, 6 February 2019 11:54 (18 minutes)*

**Primary author:** MANISCALCO, James (Cornell)

**Presenter:** MANISCALCO, James (Cornell)

**Session Classification:** WG2 Session 4

Contribution ID: **80**

Type: **not specified**

## **EP Developments at TRIUMF**

*Wednesday, 6 February 2019 12:12 (18 minutes)*

**Primary author:** KEIR, James (TRIUMF)

**Presenter:** KEIR, James (TRIUMF)

**Session Classification:** WG2 Session 4

Contribution ID: **81**

Type: **not specified**

## **Lessons learned from LCLS-II shipments**

*Wednesday, 6 February 2019 14:00 (20 minutes)*

**Primary authors:** KALUZNY, Joshua (FNAL); PETERSON, Tom (SLAC)

**Presenters:** KALUZNY, Joshua (FNAL); PETERSON, Tom (SLAC)

**Session Classification:** WG4 Session 1

Contribution ID: 83

Type: **not specified**

## **Lessons learned from LHC and other magnet shipments**

*Wednesday, 6 February 2019 14:20 (15 minutes)*

**Primary author:** NICOL, Tom (FNAL)

**Presenter:** NICOL, Tom (FNAL)

**Session Classification:** WG4 Session 1



Contribution ID: 84

Type: **not specified**

## **Adaptation of cryomodule shakers, truck trailer shakers, etc.**

*Wednesday, 6 February 2019 14:35 (10 minutes)*

**Primary author:** NICOL, Tom (FNAL)

**Presenter:** NICOL, Tom (FNAL)

**Session Classification:** WG4 Session 1

Contribution ID: 85

Type: **not specified**

## **Transportation of cryomodule from Vancouver to Kolkata**

*Wednesday, 6 February 2019 14:45 (15 minutes)*

**Primary author:** MULLER, Norman (TRIUMF)

**Presenter:** MULLER, Norman (TRIUMF)

**Session Classification:** WG4 Session 1

Contribution ID: 86

Type: **not specified**

## **Cryomodule instrumentation and diagnostics for transport**

*Wednesday, 6 February 2019 15:00 (30 minutes)*

**Primary author:** HOLZBAUER, Jeremiah (FNAL)

**Presenter:** HOLZBAUER, Jeremiah (FNAL)

**Session Classification:** WG4 Session 1

Contribution ID: 87

Type: **not specified**

## **Comparison between warm strongback, spaceframe, DESY-style, etc.**

*Wednesday, 6 February 2019 16:00 (40 minutes)*

**Primary authors:** JENSCH, Kay (DESY); BERRY, Stephane (CEA Saclay); NICOL, Tom (FNAL)

**Presenters:** JENSCH, Kay (DESY); BERRY, Stephane (CEA Saclay); NICOL, Tom (FNAL)

**Session Classification:** WG4 Session 2

Contribution ID: **88**

Type: **not specified**

## **Crab cavity cryostat design, cavity support, and alignment**

*Wednesday, 6 February 2019 16:40 (20 minutes)*

**Primary authors:** WHEELHOUSE, Alan (STFC); MCINTOSH, Peter (STFC)

**Presenters:** WHEELHOUSE, Alan (STFC); MCINTOSH, Peter (STFC)

**Session Classification:** WG4 Session 2

Contribution ID: 89

Type: **not specified**

## **Top loading vs. "Butter dish" design for quarter and half-wave cavity cryostats**

*Wednesday, 6 February 2019 17:00 (30 minutes)*

**Primary authors:** SAITO, Kenji (FRIB); MILLER, Sam (FRIB)

**Presenters:** SAITO, Kenji (FRIB); MILLER, Sam (FRIB)

**Session Classification:** WG4 Session 2

Contribution ID: **90**

Type: **not specified**

## **SNS and LCLS-II at Jefferson Lab**

*Thursday, 7 February 2019 09:00 (20 minutes)*

**Primary author:** HUQUE, Naeem (JLAB)

**Presenter:** HUQUE, Naeem (JLAB)

**Session Classification:** WG4 Session 3

Contribution ID: 91

Type: **not specified**

## **SRF cavity and cryomodule conceptual designs for eRHIC**

*Thursday, 7 February 2019 09:20 (20 minutes)*

**Primary author:** HOLMES, Douglas (BNL)

**Presenter:** HOLMES, Douglas (BNL)

**Session Classification:** WG4 Session 3



Contribution ID: 92

Type: **not specified**

## **Design, assembly, transportation of the cryomodule for SRILAC, heavy-ion, CW**

*Thursday, 7 February 2019 09:40 (20 minutes)*

**Primary author:** Dr SAKAMOTO, Naruhiko (RIKEN Nishina Center)

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

**Session Classification:** WG4 Session 3

Contribution ID: 93

Type: **not specified**

## **Conceptual Cryomodule Design for the CW HElmholtz LInear Accelerator at GSI**

*Thursday, 7 February 2019 10:00 (10 minutes)*

**Primary author:** DZIUBA, Florian (GSI)

**Presenter:** DZIUBA, Florian (GSI)

**Session Classification:** WG4 Session 3

Contribution ID: 94

Type: **not specified**

## **Support post failure in CM2 (ILC-style cryomodule) at Fermilab**

*Thursday, 7 February 2019 10:10 (20 minutes)*

**Primary author:** NICOL, Tom (FNAL)

**Presenter:** NICOL, Tom (FNAL)

**Session Classification:** WG4 Session 3

Contribution ID: 95

Type: **not specified**

## **Flow-induced microphonics**

*Thursday, 7 February 2019 11:00 (20 minutes)*

**Primary authors:** KALUZNY, Josh (FNAL); PETERSON, Tom (SLAC)

**Presenters:** KALUZNY, Josh (FNAL); PETERSON, Tom (SLAC)

**Session Classification:** WG4 Session 4

Contribution ID: 96

Type: **not specified**

## **Design differences for CW and pulsed operation**

*Thursday, 7 February 2019 11:35 (20 minutes)*

**Primary authors:** HARMS, Elvin (FNAL); PETERSON, Tom (SLAC)

**Presenters:** HARMS, Elvin (FNAL); PETERSON, Tom (SLAC)

**Session Classification:** WG4 Session 4

Contribution ID: 97

Type: **not specified**

## **Design issues of main cryomodule for cERL, CW operation**

*Thursday, 7 February 2019 11:55 (20 minutes)*

**Primary author:** UMEMORI, Kensei (KEK)

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

**Session Classification:** WG4 Session 4

Contribution ID: **98**

Type: **not specified**

## **Component shipping tests**

*Thursday, 7 February 2019 12:15 (15 minutes)*

**Primary author:** MAMMOSSER, John (SNS)

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

**Session Classification:** WG4 Session 4

Contribution ID: 99

Type: **not specified**

## **Microphonics measurements on ARIEL e-LINAC cryomodule**

*Thursday, 7 February 2019 11:20 (15 minutes)*

**Primary author:** MA, Yanyun (TRIUMF)

**Presenter:** MA, Yanyun (TRIUMF)

**Session Classification:** WG4 Session 4



Contribution ID: **100**

Type: **not specified**

## Discussion

*Tuesday, 5 February 2019 12:15 (15 minutes)*

**Presenters:** BRANLARD, Julien (DESY); Dr GENG, Rong-Li (Jefferson Lab)

**Session Classification:** WG1 Session 1

Contribution ID: **101**

Type: **not specified**

## Discussion

*Tuesday, 5 February 2019 17:12 (18 minutes)*

**Presenters:** BRANLARD, Julien (DESY); Dr GENG, Rong-Li (Jefferson Lab)

**Session Classification:** WG1 Session 3

Contribution ID: **102**

Type: **not specified**

## **Slides for discussion**

*Thursday, 7 February 2019 16:00 (1h 30m)*

**Primary author:** Mr PETERSON, Tom (SLAC)

**Presenter:** Mr PETERSON, Tom (SLAC)

**Session Classification:** Hot Topic Session

Contribution ID: **103**

Type: **not specified**

## **SRF CAVITY R&D at SHINE**

*Tuesday, 5 February 2019 12:20 (10 minutes)*

**Session Classification:** WG2 Session 1