

**9th HL-LHC Collaboration
Meeting, Fermilab, USA - 14-16
October 2019**



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 14 October 2019 09:00 (10 minutes)

Session Classification: Plenary session - Monday AM

Contribution ID: 2

Type: **not specified**

US roadmap for future accelerators - the collaboration with CERN for HiLumi LHC and beyond

Monday, 14 October 2019 09:10 (30 minutes)

Presenter: LOCKYER, Nigel (FNAL)

Session Classification: Plenary session - Monday AM

Contribution ID: 3

Type: **not specified**

CERN roadmap for HiLumi LHC and beyond

Monday, 14 October 2019 09:40 (30 minutes)

Presenter: BORDRY, Frederick (CERN)

Session Classification: Plenary session - Monday AM

Contribution ID: 4

Type: **not specified**

Project status and collaborations

Monday, 14 October 2019 10:10 (30 minutes)

Presenter: ROSSI, Lucio (CERN)

Session Classification: Plenary session - Monday AM

Contribution ID: 5

Type: **not specified**

Status of US contribution to HiLumi (past and present)

Monday, 14 October 2019 10:40 (30 minutes)

Presenter: APOLLINARI, Giorgio (Fermi National Accelerator Lab. (US))

Session Classification: Plenary session - Monday AM

Contribution ID: 6

Type: **not specified**

HiLumi IR magnets: where do we stand?

Monday, 14 October 2019 11:40 (30 minutes)

Presenter: TODESCO, Ezio (CERN)

Session Classification: Plenary session - Monday AM

Contribution ID: 7

Type: **not specified**

Status of the 11 T dipole and CERN magnet programs beyond HiLumi

Monday, 14 October 2019 13:40 (30 minutes)

Presenter: DEVRED, Arnaud (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: 8

Type: **not specified**

HiLumi US magnet construction and testing plans

Monday, 14 October 2019 12:10 (30 minutes)

Presenters: AMBROSIO, Giorgio (Fermilab); FEHER, Sandor (Fermi National Accelerator Lab. (US))

Session Classification: Plenary session - Monday AM

Contribution ID: 9

Type: **not specified**

Linear and nonlinear optics correction in the HL-LHC: experience from the LHC and impact on HL-LHC

Monday, 14 October 2019 15:00 (20 minutes)

Presenter: MACLEAN, Ewen Hamish (University of Malta (MT))

Session Classification: Plenary session - Monday PM

Contribution ID: **10**

Type: **not specified**

Recent results of the US Magnet Development Program and outlook to the future

Monday, 14 October 2019 14:10 (30 minutes)

Presenter: ZLOBIN, Alexander (Fermilab)

Session Classification: Plenary session - Monday PM

Contribution ID: **11**

Type: **not specified**

HL-LHC Remote alignment system: what it is and what it will bring us

Monday, 14 October 2019 14:40 (20 minutes)

Presenter: GIOVANNOZZI, Massimo (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: 12

Type: **not specified**

Circuits status and outcome of the review

Monday, 14 October 2019 15:20 (20 minutes)

Presenter: RODRIGUEZ MATEOS, Felix (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: 13

Type: **not specified**

The new cold powering for HL-LHC: test results and final layout

Monday, 14 October 2019 15:40 (30 minutes)

Presenter: BALLARINO, Amalia (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: 14

Type: **not specified**

Effects of magnet circuit protection elements on the circulating beam

Monday, 14 October 2019 16:40 (30 minutes)

Presenter: WOLLMANN, Daniel (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: 15

Type: **not specified**

SPS crab cavity tests: lesson learnt in view of final design

Monday, 14 October 2019 17:10 (30 minutes)

Presenter: CALAGA, Rama (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: **16**

Type: **not specified**

Cavity & cryomodule strategy and status

Monday, 14 October 2019 17:40 (20 minutes)

Presenter: CAPATINA, Ofelia (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: 17

Type: **not specified**

RFD cavity construction in industry

Monday, 14 October 2019 18:00 (20 minutes)

Presenter: RISTORI, Leonardo (Fermilab)

Session Classification: Plenary session - Monday PM

Contribution ID: **18**

Type: **not specified**

Status of beam instrumentation

Tuesday, 15 October 2019 09:40 (20 minutes)

Presenter: WENDT, Manfred (CERN)

Session Classification: Plenary session - Tuesday AM

Contribution ID: **19**

Type: **not specified**

Status of the vacuum technologies for HiLumi

Tuesday, 15 October 2019 08:30 (20 minutes)

Presenter: BAGLIN, Vincent (CERN)

Session Classification: Plenary session - Tuesday AM

Contribution ID: **20**

Type: **not specified**

Status of HL Collimation and update on layout

Tuesday, 15 October 2019 08:50 (30 minutes)

Presenter: BRUCE, Roderik (CERN)

Session Classification: Plenary session - Tuesday AM

Contribution ID: 21

Type: **not specified**

Highlights and new challenges for WP14

Tuesday, 15 October 2019 09:20 (20 minutes)

Presenter: BRACCO, Chiara (CERN)

Session Classification: Plenary session - Tuesday AM

Contribution ID: 23

Type: **not specified**

Progress of civil engineering works

Tuesday, 15 October 2019 10:00 (30 minutes)

Presenter: MATTELAER, Pieter (CERN)

Session Classification: Plenary session - Tuesday AM

Contribution ID: 24

Type: **not specified**

Evolution of risk assessment for HiLumi

Tuesday, 15 October 2019 10:50 (20 minutes)

Presenter: BEJAR ALONSO, Isabel (CERN)

Session Classification: Plenary session - Tuesday AM

Contribution ID: 25

Type: **not specified**

Risk assessment and contingency analysis for US HL-LHC AUP

Tuesday, 15 October 2019 11:10 (20 minutes)

Presenter: CARCAGNO, Ruben Horacio

Session Classification: Plenary session - Tuesday AM

Contribution ID: 26

Type: **not specified**

The CERN-US collaboration from LHC to HiLumi: a personal recollection

Tuesday, 15 October 2019 11:30 (30 minutes)

Presenter: STRAUSS, Bruce

Session Classification: Plenary session - Tuesday AM

Contribution ID: 27

Type: **not specified**

Hollow e-lens status

Wednesday, 16 October 2019 11:40 (20 minutes)

Presenters: REDAELLI, Stefano (CERN); ROSSI, Adriana (CERN); PERINI, Diego (CERN)

Session Classification: Plenary session - Wednesday AM

Contribution ID: 28

Type: **not specified**

Update on the IOTA results and plans

Wednesday, 16 October 2019 11:20 (20 minutes)

Presenter: VALISHEV, Alexander (Fermilab)

Session Classification: Plenary session - Wednesday AM

Contribution ID: 29

Type: **not specified**

Recent progress on noise estimation for HL-LHC circuits powering

Wednesday, 16 October 2019 11:00 (20 minutes)

Presenter: MARTINO, Michele (CERN)

Session Classification: Plenary session - Wednesday AM

Contribution ID: **30**

Type: **not specified**

Reason for embarking 3 additional options in baseline

Wednesday, 16 October 2019 12:00 (30 minutes)

Presenter: BRUNING, Oliver (CERN)

Session Classification: Plenary session - Wednesday AM

Contribution ID: **31**

Type: **not specified**

Wrap up

Wednesday, 16 October 2019 12:30 (30 minutes)

Presenter: ROSSI, Lucio (CERN)

Session Classification: Plenary session - Wednesday AM

Contribution ID: 32

Type: **not specified**

Update on impact of field quality

Tuesday, 15 October 2019 12:00 (20 minutes)

Presenter: GIOVANNOZZI, Massimo (CERN)

Session Classification: Tuesday AM WP2/WP3

Contribution ID: 33

Type: **not specified**

Preview of the procedures for linear and nonlinear optics correction and assumptions underlying

Tuesday, 15 October 2019 12:20 (20 minutes)

Presenter: TOMAS GARCIA, Rogelio (CERN)

Session Classification: Tuesday AM WP2/WP3

Contribution ID: **34**

Type: **not specified**

IR optics correction

Tuesday, 15 October 2019 12:40 (20 minutes)

Presenter: GARCIA MORALES, Hector (University of Oxford)

Session Classification: Tuesday AM WP2/WP3

Contribution ID: 35

Type: **not specified**

Nonlinear islands as a mechanism for emittance growth in the LHC energy ramp

Tuesday, 15 October 2019 15:00 (30 minutes)

Presenter: MACLEAN, Ewen Hamish (University of Malta (MT))

Session Classification: Tuesday PM WP2/WP5/WP13

Contribution ID: 36

Type: **not specified**

Latest on noise effect on the beam

Tuesday, 15 October 2019 15:30 (30 minutes)

Presenter: STERBINI, Guido (CERN)

Session Classification: Tuesday PM WP2/WP5/WP13

Contribution ID: 37

Type: **not specified**

Electron beam test facility and e-beam simulations at CERN

Tuesday, 15 October 2019 16:00 (30 minutes)

Presenter: SADOVICH, Sergey (CERN)

Session Classification: Tuesday PM WP2/WP5/WP13

Contribution ID: **38**

Type: **not specified**

Beam dynamics simulations with a Hollow Electron Lens [remote talk]

Tuesday, 15 October 2019 14:30 (30 minutes)

Presenters: MIRARCHI, Daniele (University of Manchester (GB)); MEREGHETTI, Alessio (CERN)

Session Classification: Tuesday PM WP2/WP5/WP13

Contribution ID: 39

Type: **not specified**

Gas jet diagnostics for the hollow e-lens [remote talk]

Tuesday, 15 October 2019 14:00 (30 minutes)

Presenter: ZHANG, Hao (University of Liverpool/Cockcroft Institute)

Session Classification: Tuesday PM WP2/WP5/WP13

Contribution ID: 40

Type: **not specified**

Energy deposition in optics V1.5 and possible layout optimizations

Tuesday, 15 October 2019 17:00 (30 minutes)

Presenter: SABATE GILARTE, Marta (Universidad de Sevilla (ES))

Session Classification: Tuesday PM WP2/WP5/WP10

Contribution ID: 41

Type: **not specified**

Status of the electron cloud simulations for HL-LHC: build-up and instabilities

Wednesday, 16 October 2019 09:45 (30 minutes)

Presenter: IADAROLA, Giovanni (CERN)

Session Classification: Wednesday AM WP2/WP4

Contribution ID: 42

Type: **not specified**

DQW cold testing summary

Tuesday, 15 October 2019 12:00 (20 minutes)

Presenter: VERDÚ ANDRÉS, Silvia (Brookhaven National Laboratory BNL)

Session Classification: Tuesday AM WP4

Contribution ID: 43

Type: **not specified**

RFD cavities processing, warm and cold tests summary

Tuesday, 15 October 2019 12:20 (20 minutes)

Presenter: BERRUTTI, Paolo (FNAL)

Session Classification: Tuesday AM WP4

Contribution ID: 44

Type: **not specified**

Physical and data interfaces between HL-LHC WP4 and US AUP

Wednesday, 16 October 2019 14:20 (20 minutes)

Presenter: VERDÚ ANDRÉS, Silvia (Brookhaven National Laboratory BNL)

Session Classification: Wednesday PM WP4

Contribution ID: 45

Type: **not specified**

HOM coupler update (RFD + DQW)

Tuesday, 15 October 2019 15:30 (30 minutes)

Presenter: MONTESINOS, Eric (CERN)

Session Classification: Tuesday PM WP4

Contribution ID: 47

Type: **not specified**

DQW RI production

Tuesday, 15 October 2019 14:00 (30 minutes)

Presenter: VALVERDE ALONSO, Nuria (CERN)

Session Classification: Tuesday PM WP4

Contribution ID: 48

Type: **not specified**

RFD ancillary fabrication at JLab

Tuesday, 15 October 2019 15:00 (30 minutes)

Presenter: HUQUE, Naeem (Jefferson Lab)

Session Classification: Tuesday PM WP4

Contribution ID: 49

Type: **not specified**

Qualification status of US-AUP

Tuesday, 15 October 2019 14:30 (30 minutes)

Presenter: NARDUZZI, Manuele

Session Classification: Tuesday PM WP4

Contribution ID: 50

Type: **not specified**

UK1 RFD cryomodule status & transport aspects

Tuesday, 15 October 2019 17:30 (30 minutes)

Presenter: JONES, Thomas (STFC)

Session Classification: Tuesday PM WP4

Contribution ID: 51

Type: **not specified**

RFD Canada status & transport aspects

Tuesday, 15 October 2019 17:00 (30 minutes)

Presenter: LAXDAL, Robert Edward

Session Classification: Tuesday PM WP4

Contribution ID: 52

Type: **not specified**

Discussion cryomodule

Tuesday, 15 October 2019 18:00 (30 minutes)

Session Classification: Tuesday PM WP4

Contribution ID: 53

Type: **not specified**

D1 update

Tuesday, 15 October 2019 17:50 (40 minutes)

Presenter: NAKAMOTO, Tatsushi

Session Classification: Tuesday PM WP3

Contribution ID: 54

Type: **not specified**

D2 update

Tuesday, 15 October 2019 14:30 (40 minutes)

Presenter: BERSANI, Andrea (INFN e Universita Genova (IT))

Session Classification: Tuesday PM WP3

Contribution ID: 55

Type: **not specified**

MCBXF update

Tuesday, 15 October 2019 15:10 (40 minutes)

Presenter: GARCIA MATOS, Jesus Angel

Session Classification: Tuesday PM WP3

Contribution ID: 56

Type: **not specified**

HO corrector update

Tuesday, 15 October 2019 14:00 (30 minutes)

Presenter: STATERA, Marco (INFN Milano - LASA)

Session Classification: Tuesday PM WP3

Contribution ID: 57

Type: **not specified**

Cold mass development AUP

Tuesday, 15 October 2019 15:50 (25 minutes)

Presenter: FEHER, Sandor (Fermi National Accelerator Lab. (US))

Session Classification: Tuesday PM WP3

Contribution ID: 58

Type: **not specified**

Cold mass development CERN

Tuesday, 15 October 2019 16:15 (25 minutes)

Presenter: PRIN, Herve (CERN)

Session Classification: Tuesday PM WP3

Contribution ID: 59

Type: **not specified**

Cryostat development

Tuesday, 15 October 2019 17:10 (20 minutes)

Presenter: DUARTE RAMOS, Delio (CERN)

Session Classification: Tuesday PM WP3

Contribution ID: **60**

Type: **not specified**

Test facility status at FNAL

Tuesday, 15 October 2019 17:30 (20 minutes)

Presenter: CHLACHIDZE, Guram (Fermilab)

Session Classification: Tuesday PM WP3

Contribution ID: 61

Type: **not specified**

Summary of the experimental test with the SPS crab cavities wrt field quality measurement and specifications for HL-LHC

Wednesday, 16 October 2019 08:30 (25 minutes)

Presenter: CRUZ ALANIZ, Emilia (University of Oxford JAI)

Session Classification: Wednesday AM WP2/WP4

Contribution ID: **62**

Type: **not specified**

Update on longitudinal beam stability in HL-LHC

Wednesday, 16 October 2019 08:55 (25 minutes)

Presenter: KARPOV, Ivan (CERN)

Session Classification: Wednesday AM WP2/WP4

Contribution ID: **64**

Type: **not specified**

Status of the LHC injection voltage limits with 1/2-detuning

Wednesday, 16 October 2019 09:20 (25 minutes)

Presenter: TIMKO, Helga (CERN)

Session Classification: Wednesday AM WP2/WP4

Contribution ID: 65

Type: **not specified**

Update on energy deposition studies for the beam dump

Tuesday, 15 October 2019 15:30 (30 minutes)

Presenter: RIZZOGLIO, Valeria (CERN)

Session Classification: Tuesday PM WP7/WP14

Contribution ID: 66

Type: **not specified**

Energy deposition in IR6 magnets during regular and irregular beam losses

Tuesday, 15 October 2019 16:00 (30 minutes)

Presenter: LECHNER, Anton (CERN)

Session Classification: Tuesday PM WP7/WP14

Contribution ID: 67

Type: **not specified**

Damage of sc. strands due to beam impact at 4 K - experimental results

Tuesday, 15 October 2019 17:00 (30 minutes)

Presenter: WOLLMANN, Daniel (CERN)

Session Classification: Tuesday PM WP7/WP14

Contribution ID: **68**

Type: **not specified**

Conclusion on machine protection tests with SPS crab cavities

Tuesday, 15 October 2019 17:30 (30 minutes)

Presenter: WOLLMANN, Daniel (CERN)

Session Classification: Tuesday PM WP7/WP14

Contribution ID: **69**

Type: **not specified**

Short model test results CERN (also He gas intermediate test) [remote talk]

Wednesday, 16 October 2019 09:00 (30 minutes)

Presenter: MANGIAROTTI, Franco Julio (CERN)

Session Classification: Wednesday AM WP3

Contribution ID: 70

Type: **not specified**

MQXFAP1b test results

Wednesday, 16 October 2019 09:30 (30 minutes)

Presenter: MURATORE, Joseph F (Brookhaven National Laboratory)

Session Classification: Wednesday AM WP3

Contribution ID: 71

Type: **not specified**

MQXFAP1b alignment and field quality

Wednesday, 16 October 2019 10:00 (15 minutes)

Presenter: DIMARCO, Joseph (Fermi National Accelerator Laboratory)

Session Classification: Wednesday AM WP3

Contribution ID: 72

Type: **not specified**

Parameter range for protection analysis

Wednesday, 16 October 2019 10:15 (15 minutes)

Presenters: IZQUIERDO BERMUDEZ, Susana (CERN); BALDINI, Maria (Fermi national accelerator laboratory)

Session Classification: Wednesday AM WP3

Contribution ID: 73

Type: **not specified**

Open recommendations from past AUP reviews, also involves TRIUMF

Wednesday, 16 October 2019 14:00 (20 minutes)

Presenter: RISTORI, Leonardo (Fermilab)

Session Classification: Wednesday PM WP4

Contribution ID: 74

Type: **not specified**

Fabrication status, NCR, and QH studies FNAL

Wednesday, 16 October 2019 14:00 (20 minutes)

Presenter: NOBREGA, Fred (Fermilab)

Session Classification: Wednesday PM WP3

Contribution ID: 75

Type: **not specified**

Fabrication status, NCR, and QH studies CERN

Wednesday, 16 October 2019 14:40 (20 minutes)

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Session Classification: Wednesday PM WP3

Contribution ID: 76

Type: **not specified**

QH assessment

Wednesday, 16 October 2019 15:00 (20 minutes)

Presenter: AMBROSIO, Giorgio (Fermilab)

Session Classification: Wednesday PM WP3

Contribution ID: 77

Type: **not specified**

Updates on impregnation and epoxy analysis CERN

Wednesday, 16 October 2019 16:20 (25 minutes)

Presenter: DEVRED, Arnaud (CERN)

Session Classification: Wednesday PM WP3

Contribution ID: 78

Type: **not specified**

Updates on impregnation and epoxy analysis AUP

Wednesday, 16 October 2019 16:45 (25 minutes)

Presenters: KRAVE, Steve (Fermilab); NOBREGA, Fred (Fermilab)

Session Classification: Wednesday PM WP3

Contribution ID: 79

Type: **not specified**

MQXFA03 loading (remote talk)

Wednesday, 16 October 2019 17:10 (25 minutes)

Presenter: CHENG, Daniel

Session Classification: Wednesday PM WP3

Contribution ID: **80**

Type: **not specified**

Workshop feedback

Wednesday, 16 October 2019 17:35 (25 minutes)

Presenter: FERRACIN, Paolo (CERN)

Session Classification: Wednesday PM WP3

Contribution ID: **81**

Type: **not specified**

Status and outlook of specification document for HL-LHC radiation environment for electronics

Tuesday, 15 October 2019 14:00 (30 minutes)

Presenter: LERNER, Giuseppe (CERN)

Session Classification: Tuesday PM WP7/WP10

Contribution ID: **82**

Type: **not specified**

Update of radiation levels on equipment in the IP1 and IP5 LSS

Tuesday, 15 October 2019 14:30 (30 minutes)

Presenter: LERNER, Giuseppe (CERN)

Session Classification: Tuesday PM WP7/WP10

Contribution ID: **83**

Type: **not specified**

Measured cold diode radiation tolerance and proposal of an extended theoretical model

Tuesday, 15 October 2019 15:00 (30 minutes)

Presenter: WOLLMANN, Daniel (CERN)

Session Classification: Tuesday PM WP7/WP10

Contribution ID: **84**

Type: **not specified**

Introduction : changes from previous annual meeting

Wednesday, 16 October 2019 08:30 (5 minutes)

Presenter: REDAELLI, Stefano (CERN)

Session Classification: Wednesday AM WP5

Contribution ID: 85

Type: **not specified**

Mitigations of DS losses with new 11T dipole layouts (15 + 5)

Wednesday, 16 October 2019 08:35 (20 minutes)

Presenters: MEREGHETTI, Alessio (CERN); BRUCE, Roderik (CERN)

Session Classification: Wednesday AM WP5

Contribution ID: **86**

Type: **not specified**

Updated energy deposition simulations in DSs (15 + 5)

Wednesday, 16 October 2019 08:55 (20 minutes)

Presenter: WAETS, Andreas (CERN)

Session Classification: Wednesday AM WP5

Contribution ID: 87

Type: **not specified**

DPA and gas production simulations in IR7 for HL-LHC (15 + 5)

Wednesday, 16 October 2019 09:15 (20 minutes)

Presenter: WAETS, Andreas (CERN)

Session Classification: Wednesday AM WP5

Contribution ID: **88**

Type: **not specified**

Results of GSI irradiation campaigns (15 + 5)

Wednesday, 16 October 2019 09:35 (20 minutes)

Presenter: BERTARELLI, Alessandro (CERN)

Session Classification: Wednesday AM WP5

Contribution ID: **89**

Type: **not specified**

LS2 collimator production status (15 + 5)

Wednesday, 16 October 2019 09:55 (20 minutes)

Presenter: LAMAS GARCIA, Inigo (CERN)

Session Classification: Wednesday AM WP5

Contribution ID: **90**

Type: **not specified**

Recent results on crystal collimation

Wednesday, 16 October 2019 10:15 (15 minutes)

Presenter: REDAELLI, Stefano (CERN)

Session Classification: Wednesday AM WP5

Contribution ID: **91**

Type: **not specified**

Short overview of WP8 studies

Tuesday, 15 October 2019 12:00 (10 minutes)

Presenter: BURKHARDT, Helmut (CERN)

Session Classification: Tuesday AM WP7/WP8/WP5

Contribution ID: **92**

Type: **not specified**

Short overview of WP7 failure case studies

Tuesday, 15 October 2019 12:10 (10 minutes)

Presenter: WOLLMANN, Daniel (CERN)

Session Classification: Tuesday AM WP7/WP8/WP5

Contribution ID: 93

Type: **not specified**

Short overview of WP5 failure studies

Tuesday, 15 October 2019 12:20 (10 minutes)

Presenters: BRUCE, Roderik (CERN); REDAELLI, Stefano (CERN)

Session Classification: Tuesday AM WP7/WP8/WP5

Contribution ID: 94

Type: **not specified**

Discussion on need for future failure case studies (all)

Tuesday, 15 October 2019 12:40 (20 minutes)

Session Classification: Tuesday AM WP7/WP8/WP5

Contribution ID: 95

Type: **not specified**

HiLumi Cryogenics: progress highlights and perspectives

Monday, 14 October 2019 18:20 (20 minutes)

Presenter: CLAUDET, Serge (CERN)

Session Classification: Plenary session - Monday PM

Contribution ID: **96**

Type: **not specified**

Fabrication status, NCR, and QH studies BNL [remote talk]

Wednesday, 16 October 2019 14:20 (20 minutes)

Presenter: SCHMALZLE, Jesse

Session Classification: Wednesday PM WP3

Contribution ID: 97

Type: **not specified**

Fast turn-around QH tests

Wednesday, 16 October 2019 15:20 (20 minutes)

Presenter: MARINOZZI, Vittorio (FNAL)

Session Classification: Wednesday PM WP3

Contribution ID: **98**

Type: **not specified**

Plans and decision tree

Wednesday, 16 October 2019 15:40 (20 minutes)

Presenter: FERRACIN, Paolo (CERN)

Session Classification: Wednesday PM WP3

Contribution ID: 99

Type: **not specified**

Discussion (All)

Tuesday, 15 October 2019 16:00 (30 minutes)

Session Classification: Tuesday PM WP4

Contribution ID: **100**

Type: **not specified**

Functional requirements specification

Wednesday, 16 October 2019 14:40 (20 minutes)

Presenters: BERRUTTI, Paolo (FNAL); RISTORI, Leonardo (Fermilab)

Session Classification: Wednesday PM WP4

Contribution ID: **101**

Type: **not specified**

Frequency recipe

Wednesday, 16 October 2019 15:00 (20 minutes)

Presenters: DE SILVA, Subashini (Old Dominion University (US)); BERUTTI, Paolo (FNAL)

Session Classification: Wednesday PM WP4

Contribution ID: **102**

Type: **not specified**

Discussion (All)

Wednesday, 16 October 2019 15:20 (40 minutes)

Session Classification: Wednesday PM WP4

Contribution ID: **103**

Type: **not specified**

Status of TAXS region and TAXN

Tuesday, 15 October 2019 12:30 (10 minutes)

Presenter: SANCHEZ GALAN, Francisco (CERN)

Session Classification: Tuesday AM WP7/WP8/WP5