

**14th HL-LHC Collaboration
Meeting, Genoa (Italy), 7-10
October 2024**



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome by INFN Genova Director & Prof. Lucio Rossi

Monday 7 October 2024 09:00 (5 minutes)

Presenters: TAIUTI, Mauro Gino (Università di Genova and INFN Genova); ROSSI, Lucio (Università degli Studi e INFN Milano (IT))

Session Classification: Plenary session 1 - Monday AM

Contribution ID: 2

Type: **not specified**

HL-LHC Project status

Monday 7 October 2024 09:05 (20 minutes)

Presenter: BRUNING, Oliver (CERN)

Session Classification: Plenary session 1 - Monday AM

Contribution ID: 3

Type: **not specified**

LHC Run 3: achievements and lessons learned

Monday 7 October 2024 09:25 (20 minutes)

Presenter: LAMONT, Mike (CERN)

Session Classification: Plenary session 1 - Monday AM

Contribution ID: 4

Type: **not specified**

Status of US-AUP contribution

Monday 7 October 2024 09:45 (20 minutes)

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

Session Classification: Plenary session 1 - Monday AM

Contribution ID: 5

Type: **not specified**

Status of MQXFB

Monday 7 October 2024 10:20 (20 minutes)

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Session Classification: Plenary session 1 - Monday AM

Contribution ID: 6

Type: **not specified**

Status of D2

Monday 7 October 2024 10:40 (20 minutes)

Presenter: FARINON, Stefania (INFN e Universita Genova (IT))

Session Classification: Plenary session 1 - Monday AM

Contribution ID: 7

Type: **not specified**

Status of MQXFA magnets

Monday 7 October 2024 11:25 (15 minutes)

Presenter: AMBROSIO, Giorgio (Fermilab)

Session Classification: Plenary session 2 - Monday AM

Contribution ID: 8

Type: **not specified**

Status of LQXFA cold mass, cryostating and cold test

Monday 7 October 2024 11:40 (15 minutes)

Presenter: FEHER, Sandor

Session Classification: Plenary session 2 - Monday AM

Contribution ID: 9

Type: **not specified**

Status of D1

Monday 7 October 2024 11:55 (20 minutes)

Presenter: NAKAMOTO, Tatsushi (KEK)

Session Classification: Plenary session 2 - Monday AM

Contribution ID: **10**

Type: **not specified**

MCBXF coil and components production at CIEMAT

Monday 7 October 2024 12:15 (15 minutes)

Presenter: TORAL, Fernando (CIEMAT - Centro de Investigaciones Energéticas Medioambientales y Tec. (ES))

Session Classification: Plenary session 2 - Monday AM

Contribution ID: **11**

Type: **not specified**

Status of WP3

Monday 7 October 2024 10:05 (15 minutes)

Presenter: TODESCO, Ezio (CERN)

Session Classification: Plenary session 1 - Monday AM

Contribution ID: 12

Type: **not specified**

MCBXF magnet assembly and powering tests results at CERN

Monday 7 October 2024 12:30 (15 minutes)

Presenter: PEREZ, Juan Carlos (CERN)

Session Classification: Plenary session 2 - Monday AM

Contribution ID: 13

Type: **not specified**

Status of CCT magnets

Monday 7 October 2024 12:45 (15 minutes)

Presenter: XU, Qingjin

Session Classification: Plenary session 2 - Monday AM

Contribution ID: 14

Type: **not specified**

Summary and status for the HL-LHC Collaborations

Monday 7 October 2024 14:00 (20 minutes)

Presenter: TSESMELIS, Emmanuel (CERN)

Session Classification: Plenary session 1 - Monday PM

Contribution ID: 15

Type: **not specified**

Update on collimation losses and halo limitations

Monday 7 October 2024 14:20 (20 minutes)

Presenter: HERMES, Pascal (CERN)

Session Classification: Plenary session 1 - Monday PM

Contribution ID: **16**

Type: **not specified**

Run 4 operational scenario

Monday 7 October 2024 14:40 (20 minutes)

Presenter: MOUNET, Nicolas (CERN)

Session Classification: Plenary session 1 - Monday PM

Contribution ID: 17

Type: **not specified**

IT String planning and installation status

Monday 7 October 2024 15:00 (30 minutes)

Presenter: BAJKO, Marta (CERN)

Session Classification: Plenary session 1 - Monday PM

Contribution ID: **18**

Type: **not specified**

SM18 magnet test facility upgrade, commissioning and feedback from test operation

Monday 7 October 2024 15:30 (20 minutes)

Presenter: WILLERING, Gerard (CERN)

Session Classification: Plenary session 1 - Monday PM

Contribution ID: **19**

Type: **not specified**

Status of WP4

Monday 7 October 2024 16:20 (20 minutes)

Presenter: CALAGA, Rama (CERN)

Session Classification: Plenary session 2 - Monday PM

Contribution ID: 20

Type: **not specified**

RFD Crab Cavity contribution from the U.S. - Status, issues and delivery dates

Monday 7 October 2024 16:40 (20 minutes)

Presenter: RISTORI, Leonardo (Fermilab)

Session Classification: Plenary session 2 - Monday PM

Contribution ID: 21

Type: **not specified**

Status of DQW Crab Cavity cryomodules –UK Collaboration

Monday 7 October 2024 17:00 (20 minutes)

Presenters: TEMPLETON, Niklas John (STFC Daresbury Laboratory (GB)); TEMPLETON, Niklas

Session Classification: Plenary session 2 - Monday PM

Contribution ID: 22

Type: **not specified**

Status of RFD cryomodules

Monday 7 October 2024 17:20 (20 minutes)

Presenter: LAXDAL, Robert Edward

Session Classification: Plenary session 2 - Monday PM

Contribution ID: 23

Type: **not specified**

Progress with the HL beam dump

Tuesday 8 October 2024 15:20 (20 minutes)

Presenter: SOLIERI, Nicola (CERN)

Session Classification: Plenary session 1 - Tuesday PM

Contribution ID: 24

Type: **not specified**

HL-LHC Baseline and TCC summary

Tuesday 8 October 2024 11:30 (20 minutes)

Presenter: ZERLAUTH, Markus (CERN)

Session Classification: Plenary session 1 - Tuesday AM

Contribution ID: 25

Type: **not specified**

Procurement strategy and quality reporting

Tuesday 8 October 2024 11:50 (20 minutes)

Presenter: GARCIA GAVELA, Hector (CERN)

Session Classification: Plenary session 1 - Tuesday AM

Contribution ID: 26

Type: **not specified**

LS3 installation plans and equipment readiness

Tuesday 8 October 2024 12:10 (20 minutes)

Presenter: FESSIA, Paolo (CERN)

Session Classification: Plenary session 1 - Tuesday AM

Contribution ID: 27

Type: **not specified**

Cryogenics : status and perspective towards installation

Tuesday 8 October 2024 12:30 (20 minutes)

Presenter: GAHIER, Vanessa (CERN)

Session Classification: Plenary session 1 - Tuesday AM

Contribution ID: 28

Type: **not specified**

Qualification of the first Cold Powering System for the HL-LHC triplets

Tuesday 8 October 2024 14:00 (20 minutes)

Presenter: BALLARINO, Amalia (CERN)

Session Classification: Plenary session 1 - Tuesday PM

Contribution ID: 29

Type: **not specified**

WP12 update with a focus on beam screen production

Tuesday 8 October 2024 14:20 (20 minutes)

Presenter: BAGLIN, Vincent (CERN)

Session Classification: Plenary session 1 - Tuesday PM

Contribution ID: **30**

Type: **not specified**

WP6B outlook in IT String operation

Tuesday 8 October 2024 14:40 (20 minutes)

Presenter: MARTINO, Michele (CERN)

Session Classification: Plenary session 1 - Tuesday PM

Contribution ID: **31**

Type: **not specified**

Status of the UK contributions for Beam Instrumentation and Collimation

Monday 7 October 2024 17:40 (20 minutes)

Presenter: GIBSON, Stephen (Royal Holloway, University of London)

Session Classification: Plenary session 2 - Monday PM

Contribution ID: 32

Type: **not specified**

Civil engineering wrap up and status on tech. infra.

Tuesday 8 October 2024 15:00 (20 minutes)

Presenter: TAVIAN, Laurent Jean (CERN)

Session Classification: Plenary session 1 - Tuesday PM

Contribution ID: 33

Type: **not specified**

SM18 magnet tests: Progress on qualification tests and status of benches

Tuesday 8 October 2024 16:00 (25 minutes)

Presenter: WILLERING, Gerard (CERN)

Session Classification: WP3 - Cold powering tests - Tuesday PM

Contribution ID: 34

Type: **not specified**

Production testing summary of the MQXFA magnets

Tuesday 8 October 2024 16:25 (25 minutes)

Presenter: JOSHI, Piyush

Session Classification: WP3 - Cold powering tests - Tuesday PM

Contribution ID: 35

Type: **not specified**

Horizontal test results of LQXFA/B02 and plans for testing LQXFA/B03

Tuesday 8 October 2024 16:50 (25 minutes)

Presenter: CHLACHIDZE, Guram

Session Classification: WP3 - Cold powering tests - Tuesday PM

Contribution ID: **36**

Type: **not specified**

Test results of MQXF series magnets at CERN

Tuesday 8 October 2024 17:15 (25 minutes)

Presenter: MANGIAROTTI, Franco Julio (CERN)

Session Classification: WP3 - Cold powering tests - Tuesday PM

Contribution ID: 37

Type: **not specified**

Effects of pre-loading on magnet performance in MQXFS model magnets

Tuesday 8 October 2024 17:40 (20 minutes)

Presenter: MANGIAROTTI, Franco Julio (CERN)

Session Classification: WP3 - Cold powering tests - Tuesday PM

Contribution ID: **38**

Type: **not specified**

Interface specification 20'+10'

Tuesday 8 October 2024 16:30 (30 minutes)

Presenter: PEREZ ESPINOS, Jaime (CERN)

Session Classification: WP8/WP12 - Operational aspects of TAXS region - Tuesday PM

Contribution ID: 39

Type: **not specified**

RP considerations 20'+10'

Tuesday 8 October 2024 17:30 (30 minutes)

Presenters: INFANTINO, Angelo (CERN); SANCHEZ GALAN, Francisco (CERN)

Session Classification: WP8/WP12 - Operational aspects of TAXS region - Tuesday PM

Contribution ID: 40

Type: **not specified**

Services integration 20'+10'

Tuesday 8 October 2024 16:00 (30 minutes)

Presenter: BOETTCHER, Oliver (CERN)

Session Classification: WP8/WP12 - Operational aspects of TAXS region - Tuesday PM

Contribution ID: 41

Type: **not specified**

Alignment of TAXS and VAX 20'+10'

Tuesday 8 October 2024 17:00 (30 minutes)

Presenter: MERGELKUHL, Dirk (CERN)

Session Classification: WP8/WP12 - Operational aspects of TAXS region - Tuesday PM

Contribution ID: 42

Type: **not specified**

Safe intervention during operation on the electrical circuits of the IT String

Wednesday 9 October 2024 09:40 (20 minutes)

Presenter: BOZZINI, Davide (CERN)

Session Classification: WP16 - Wednesday AM Part 1

Contribution ID: 43

Type: **not specified**

Controls and software for the HWC and operation of the IT String

Wednesday 9 October 2024 08:50 (20 minutes)

Presenter: BLANCHARD, Sebastien (CERN)

Session Classification: WP16 - Wednesday AM Part 1

Contribution ID: 44

Type: **not specified**

From HWC of the IT String to the HWC of the HL-LHC: status and preparation

Wednesday 9 October 2024 09:10 (30 minutes)

Presenter: YAMMINE, Samer (CERN)

Session Classification: WP16 - Wednesday AM Part 1

Contribution ID: 45

Type: **not specified**

Sc link Installation into the IT String

Wednesday 9 October 2024 10:00 (30 minutes)

Presenter: LECLERCQ, Yann (CERN)

Session Classification: WP16 - Wednesday AM Part 1

Contribution ID: 46

Type: **not specified**

Organisation of the operation for the HL-LHC IT String

Wednesday 9 October 2024 08:30 (20 minutes)

Presenter: HEREDIA GARCIA, Nicolas (CERN)

Session Classification: WP16 - Wednesday AM Part 1

Contribution ID: 47

Type: **not specified**

IST and SCT in the IT String: results

Wednesday 9 October 2024 11:30 (20 minutes)

Presenter: YAMMINE, Samer (CERN)

Session Classification: WP16 - Wednesday AM Part 2

Contribution ID: 48

Type: **not specified**

Field quality updates, NbTi

Wednesday 9 October 2024 08:30 (30 minutes)

Presenter: TODESCO, Ezio (CERN)

Session Classification: WP2/WP3 - Wednesday AM

Contribution ID: 49

Type: **not specified**

Field quality updates, including integral gradient and voltage spikes, Nb₃Sn

Wednesday 9 October 2024 09:00 (30 minutes)

Presenter: FISCARELLI, Lucio (CERN)

Session Classification: WP2/WP3 - Wednesday AM

Contribution ID: 50

Type: **not specified**

Sorting options for HL-LHC magnets

Wednesday 9 October 2024 09:30 (30 minutes)

Presenter: GIOVANNOZZI, Massimo (CERN)

Session Classification: WP2/WP3 - Wednesday AM

Contribution ID: 51

Type: **not specified**

Linear imperfections of D2 FQ: impact and correction strategies

Wednesday 9 October 2024 10:00 (30 minutes)

Presenter: DILLY, Joshua Werner (CERN)

Session Classification: WP2/WP3 - Wednesday AM

Contribution ID: 52

Type: **not specified**

Status of cold mass activities at CERN (all HL-LHC WP3)

Wednesday 9 October 2024 14:00 (30 minutes)

Presenter: PRIN, Herve (CERN)

Session Classification: WP3/WP16 - Wednesday PM

Contribution ID: 53

Type: **not specified**

Status of cryostat activities at CERN (all HL-LHC WP3)

Wednesday 9 October 2024 14:30 (30 minutes)

Presenter: RAMOS, Delio (CERN)

Session Classification: WP3/WP16 - Wednesday PM

Contribution ID: 55

Type: **not specified**

Cryo magnet installation into the IT String

Wednesday 9 October 2024 11:00 (30 minutes)

Presenter: LE NAOUR, Sandrine (CERN)

Session Classification: WP16 - Wednesday AM Part 2

Contribution ID: 56

Type: **not specified**

Quality Assurance / Quality Control in the IT String

Wednesday 9 October 2024 11:50 (20 minutes)

Presenter: HEREDIA GARCIA, Nicolas (CERN)

Session Classification: WP16 - Wednesday AM Part 2

Contribution ID: 57

Type: **not specified**

MQXFA fabrication status and schedule

Wednesday 9 October 2024 16:30 (25 minutes)

Presenter: AMBROSIO, Giorgio (Fermilab)

Session Classification: WP3 MQXF - Wednesday PM

Contribution ID: 58

Type: **not specified**

MQXFA magnet assembly and preload

Wednesday 9 October 2024 16:55 (20 minutes)

Presenters: FERRACIN, Paolo; FERRACIN, Paolo

Session Classification: WP3 MQXF - Wednesday PM

Contribution ID: 59

Type: **not specified**

MQXFB coil fabrication

Wednesday 9 October 2024 17:15 (20 minutes)

Presenter: LUSA, Nicholas (CERN)

Session Classification: WP3 MQXF - Wednesday PM

Contribution ID: **60**

Type: **not specified**

MQXFB magnet assembly

Wednesday 9 October 2024 17:35 (25 minutes)

Presenter: QUASSOLO, Penelope Matilde (CERN)

Session Classification: WP3 MQXF - Wednesday PM

Contribution ID: **61**

Type: **not specified**

Alignment analysis on the low-beta quadrupoles during cold test

Thursday 10 October 2024 11:00 (25 minutes)

Presenter: RUDE, Vivien (CERN)

Session Classification: WP2/WP3/WP19 - Thursday AM

Contribution ID: **62**

Type: **not specified**

Magnetic axis

Thursday 10 October 2024 11:25 (25 minutes)

Presenter: PETRONE, Carlo (CERN)

Session Classification: WP2/WP3/WP19 - Thursday AM

Contribution ID: 63

Type: **not specified**

Impact of mechanical and magnetic measurements for performance estimates

Thursday 10 October 2024 11:50 (20 minutes)

Presenter: DE MARIA, Riccardo (CERN)

Session Classification: WP2/WP3/WP19 - Thursday AM

Contribution ID: **64**

Type: **not specified**

Status of FRAS

Thursday 10 October 2024 12:10 (20 minutes)

Presenter: SOSIN, Mateusz (CERN)

Session Classification: WP2/WP3/WP19 - Thursday AM

Contribution ID: 65

Type: **not specified**

MCF activities related to magnet circuit instrumentation

Thursday 10 October 2024 08:30 (20 minutes)

Presenter: PICCIN, Roland (CERN)

Session Classification: MCF (WP7/WP3/WP6B/WP16) - Thursday AM

Contribution ID: 66

Type: **not specified**

QH strip resistances and circuit parameters in the MQXF magnets

Thursday 10 October 2024 08:50 (20 minutes)

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Session Classification: MCF (WP7/WP3/WP6B/WP16) - Thursday AM

Contribution ID: 67

Type: **not specified**

Experience with WP6B equipment operation in the HL-LHC IT String

Thursday 10 October 2024 09:10 (20 minutes)

Presenter: THIESEN, Hugues (CERN)

Session Classification: MCF (WP7/WP3/WP6B/WP16) - Thursday AM

Contribution ID: **68**

Type: **not specified**

PDSU-CLIQ/DQHDS interlocking via BIS concentrator

Thursday 10 October 2024 09:30 (20 minutes)

Presenter: PODZORNY, Tomasz (CERN)

Session Classification: MCF (WP7/WP3/WP6B/WP16) - Thursday AM

Contribution ID: 69

Type: **not specified**

Reliability studies on uQDS, PDSU and PDSU-BIS concentrator interface

Thursday 10 October 2024 09:50 (20 minutes)

Presenter: FELSBERGER, Lukas (CERN)

Session Classification: MCF (WP7/WP3/WP6B/WP16) - Thursday AM

Contribution ID: 70

Type: **not specified**

Electrical Quality Assurance of the HL-LHC

Thursday 10 October 2024 10:10 (20 minutes)

Presenter: WEST, Gregory Hugh

Session Classification: MCF (WP7/WP3/WP6B/WP16) - Thursday AM

Contribution ID: 71

Type: **not specified**

Status of manufacturing TAS, TAXN & anciliairies 20'+5'

Thursday 10 October 2024 08:30 (25 minutes)

Presenter: ALONSO, Antonio (CERN)

Session Classification: WP8/WP12 - From production to installation - Thursday AM

Contribution ID: 72

Type: **not specified**

Vacuum chambers : TAXS, TAXN 20'+5'

Thursday 10 October 2024 08:55 (25 minutes)

Presenters: PEREZ ESPINOS, Jaime (CERN); MORRONE, Marco (CERN)

Session Classification: WP8/WP12 - From production to installation - Thursday AM

Contribution ID: 73

Type: **not specified**

VAXBOX 20'+5'

Thursday 10 October 2024 09:45 (25 minutes)

Presenter: ALONSO, Antonio (CERN)

Session Classification: WP8/WP12 - From production to installation - Thursday AM

Contribution ID: 74

Type: **not specified**

VAXS modules 20'+5'

Thursday 10 October 2024 09:20 (25 minutes)

Presenter: PEREZ ESPINOS, Jaime (CERN)

Session Classification: WP8/WP12 - From production to installation - Thursday AM

Contribution ID: 75

Type: **not specified**

Integrated luminosity of the new HL-LHC baseline

Tuesday 8 October 2024 16:00 (20 minutes)

Presenter: KOSTOGLOU, Sofia (CERN)

Session Classification: WP2/WP5/WP7

Contribution ID: 76

Type: **not specified**

Collimation MD results

Tuesday 8 October 2024 16:20 (20 minutes)

Presenter: LINDSTROM, Bjorn Hans Filip (University of London (GB))

Session Classification: WP2/WP5/WP7

Contribution ID: 77

Type: **not specified**

Optics MD results for the new HL baseline

Tuesday 8 October 2024 16:40 (20 minutes)

Presenter: DE MARIA, Riccardo (CERN)

Session Classification: WP2/WP5/WP7

Contribution ID: 78

Type: **not specified**

Collimator impedance measurements

Tuesday 8 October 2024 17:00 (20 minutes)

Presenter: GIACOMEL, Lorenzo (CERN)

Session Classification: WP2/WP5/WP7

Contribution ID: 79

Type: **not specified**

Overview of WP13 activities and installation plans during LS3

Wednesday 9 October 2024 08:30 (30 minutes)

Presenter: LEFEVRE, Thibaut (CERN)

Session Classification: WP13 - Wednesday AM Part 1

Contribution ID: **80**

Type: **not specified**

Status and strategy for the BLM ionisation production

Wednesday 9 October 2024 09:00 (30 minutes)

Presenter: SCHNEIDER, Gerhard (CERN)

Session Classification: WP13 - Wednesday AM Part 1

Contribution ID: **81**

Type: **not specified**

Beam loss limitations: overview and proposal of changes

Wednesday 9 October 2024 09:30 (30 minutes)

Presenter: MORALES VIGO, Sara

Session Classification: WP13 - Wednesday AM Part 1

Contribution ID: **82**

Type: **not specified**

HL-LHC BLM system development status update

Wednesday 9 October 2024 10:00 (30 minutes)

Presenter: ZAMANTZAS, Christos (CERN)

Session Classification: WP13 - Wednesday AM Part 1

Contribution ID: **83**

Type: **not specified**

Update on the IP BPM production and delivery schedule

Wednesday 9 October 2024 11:00 (30 minutes)

Presenter: QUINN, Emma Elizabeth

Session Classification: WP13 - Wednesday AM Part 2

Contribution ID: **84**

Type: **not specified**

Expected performance of the new BPM system in IP1/5

Wednesday 9 October 2024 11:30 (30 minutes)

Presenter: KRUPA, Michal (CERN)

Session Classification: WP13 - Wednesday AM Part 2

Contribution ID: 85

Type: **not specified**

Final design of the luminosity monitor in TAXN and experience with prototype detector during Run3

Wednesday 9 October 2024 12:00 (30 minutes)

Presenter: MAZZONI, Stefano (CERN)

Session Classification: WP13 - Wednesday AM Part 2

Contribution ID: **86**

Type: **not specified**

Optimised BGC for HL-LHC

Wednesday 9 October 2024 14:30 (30 minutes)

Presenter: VENESS, Raymond (CERN)

Session Classification: WP13 - Wednesday PM Part 1

Contribution ID: 87

Type: **not specified**

Performance of the BGC in the LHC

Wednesday 9 October 2024 14:00 (30 minutes)

Presenter: BUTTI, Daniele

Session Classification: WP13 - Wednesday PM Part 1

Contribution ID: **88**

Type: **not specified**

Performance of the EO BPM prototype in the SPS

Wednesday 9 October 2024 15:00 (30 minutes)

Presenter: BOSMAN, Max (University of London (GB))

Session Classification: WP13 - Wednesday PM Part 1

Contribution ID: **89**

Type: **not specified**

Reviewing the high bandwidth PU technology

Wednesday 9 October 2024 15:30 (30 minutes)

Presenters: LEFEVRE, Thibaut (CERN); LEVENS, Tom (CERN)

Session Classification: WP13 - Wednesday PM Part 1

Contribution ID: **90**

Type: **not specified**

Test of the SR coronagraph on LHC

Wednesday 9 October 2024 17:00 (30 minutes)

Presenter: PUCEK, Jan ((MPP/TUM/CERN))

Session Classification: WP13 - Wednesday PM Part 2

Contribution ID: **91**

Type: **not specified**

Summary of the Beam halo working group, specifications and detector options

Wednesday 9 October 2024 16:30 (30 minutes)

Presenter: RONCAROLO, Federico (CERN)

Session Classification: WP13 - Wednesday PM Part 2

Contribution ID: 92

Type: **not specified**

Updated design of the HL Beam gas ionization monitor

Wednesday 9 October 2024 17:30 (30 minutes)

Presenter: STOREY, James (CERN)

Session Classification: WP13 - Wednesday PM Part 2

Contribution ID: 93

Type: **not specified**

Recap. of failure cases for round and flat optics

Tuesday 8 October 2024 17:20 (20 minutes)

Presenter: HERNALSTEENS, Cedric (CERN)

Session Classification: WP2/WP5/WP7

Contribution ID: 94

Type: **not specified**

Dynamic aperture of the new HL-LHC baseline

Wednesday 9 October 2024 14:00 (20 minutes)

Presenter: KOSTOGLOU, Sofia (CERN)

Session Classification: WP2/WP5/WP7/WP10

Contribution ID: 95

Type: **not specified**

Collimation performance aspects of HL (tight and relaxed settings, round and flat optics)

Wednesday 9 October 2024 14:20 (20 minutes)

Presenter: DONADON SERVELLE, Andre (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: WP2/WP5/WP7/WP10

Contribution ID: 96

Type: **not specified**

Halo studies including hierarchy breakage

Wednesday 9 October 2024 14:40 (20 minutes)

Presenter: MONTANARI, Carlo Emilio (University of Manchester (GB))

Session Classification: WP2/WP5/WP7/WP10

Contribution ID: 97

Type: **not specified**

High intensity MDs and operational experience

Wednesday 9 October 2024 15:00 (20 minutes)

Presenter: BUFFAT, Xavier (CERN)

Session Classification: WP2/WP5/WP7/WP10

Contribution ID: **98**

Type: **not specified**

Update on electron cloud studies

Wednesday 9 October 2024 15:20 (20 minutes)

Presenter: METHER, Lotta (CERN)

Session Classification: WP2/WP5/WP7/WP10

Contribution ID: 99

Type: **not specified**

RFD-CM Repair overview and highlight

Tuesday 8 October 2024 09:10 (30 minutes)

Presenters: SWIESZEK, Joanna Sylwia; BARRIÈRE, Simon (CERN)

Session Classification: WP4 - Tuesday AM

Contribution ID: **100**

Type: **not specified**

Experience on NCRs & future expectations

Tuesday 8 October 2024 09:40 (20 minutes)

Presenter: DEBEUX, Julien

Session Classification: WP4 - Tuesday AM

Contribution ID: **101**

Type: **not specified**

Summary of RFD reviews at CERN

Tuesday 8 October 2024 10:00 (20 minutes)

Presenter: GARLASCHE, Marco (CERN)

Session Classification: WP4 - Tuesday AM

Contribution ID: **102**

Type: **not specified**

SM18 testing of RFD prototype & challenges

Tuesday 8 October 2024 10:20 (20 minutes)

Presenters: TURAJ, Katarzyna (CERN); EDWARDS, Amelia Veronica (Lancaster University)

Session Classification: WP4 - Tuesday AM

Contribution ID: **103**

Type: **not specified**

RF power for crab cavities & challenges

Wednesday 9 October 2024 11:40 (20 minutes)

Presenter: MONTESINOS, Eric (CERN)

Session Classification: WP4 - Wednesday AM Part 2

Contribution ID: **104**

Type: **not specified**

RFD NCRs & future mitigation

Tuesday 8 October 2024 16:10 (20 minutes)

Presenter: JORDAN, Edward Stephen (STFC Daresbury Laboratory (GB))

Session Classification: WP4 - Discussion - Tuesday PM

Contribution ID: **105**

Type: **not specified**

CERN/UK schedule (speaker tbc)

Session Classification: WP4 - Discussion - Tuesday PM

Contribution ID: **106**

Type: **not specified**

Engineering issues for the RFD CM production at TRIUMF

Tuesday 8 October 2024 17:30 (20 minutes)

Presenter: LAW, Oliver (TRIUMF)

Session Classification: WP4 - Discussion - Tuesday PM

Contribution ID: **107**

Type: **not specified**

WP4 discussion on US-AUP/TRIUMF schedule

Tuesday 8 October 2024 17:10 (20 minutes)

Presenter: RISTORI, Leonardo (Fermilab)

Session Classification: WP4 - Discussion - Tuesday PM

Contribution ID: **108**

Type: **not specified**

Engineering specifications for HL-LHC WP4: status and open discussion

Tuesday 8 October 2024 16:30 (20 minutes)

Presenter: DASSA, Luca (CERN)

Session Classification: WP4 - Discussion - Tuesday PM

Contribution ID: **109**

Type: **not specified**

RFD industrial production challenges

Wednesday 9 October 2024 08:30 (20 minutes)

Presenters: NARDUZZI, Manuele; RISTORI, Leonardo (Fermilab)

Session Classification: WP4 - Wednesday AM Part 1

Contribution ID: **110**

Type: **not specified**

DQW industrial production challenges

Wednesday 9 October 2024 08:50 (20 minutes)

Presenter: VALVERDE ALONSO, Nuria (CERN)

Session Classification: WP4 - Wednesday AM Part 1

Contribution ID: **111**

Type: **not specified**

RFD pre-series cavity testing

Wednesday 9 October 2024 09:10 (20 minutes)

Presenter: CASTILLA, Alex (Lancaster University (GB))

Session Classification: WP4 - Wednesday AM Part 1

Contribution ID: **112**

Type: **not specified**

DQW series cavity testing

Wednesday 9 October 2024 09:30 (20 minutes)

Presenter: EDWARDS, Amelia Veronica (Lancaster University)

Session Classification: WP4 - Wednesday AM Part 1

Contribution ID: **113**

Type: **not specified**

Preparation for RFD cavity and CM testing at TRIUMF

Wednesday 9 October 2024 10:10 (20 minutes)

Presenters: YAO, Zhongyuan (TRIUMF); YAO, Zhongyuan (TRIUMF)

Session Classification: WP4 - Wednesday AM Part 1

Contribution ID: **114**

Type: **not specified**

RFD HOM coupler challenges

Wednesday 9 October 2024 11:00 (20 minutes)

Presenters: HUQUE, Naeem Abdul; HUQUE, Naeem

Session Classification: WP4 - Wednesday AM Part 2

Contribution ID: 115

Type: **not specified**

DQW & RFD HOM couplers fabrication challenges

Wednesday 9 October 2024 11:20 (20 minutes)

Presenter: BARRIÈRE, Simon (CERN)

Session Classification: WP4 - Wednesday AM Part 2

Contribution ID: **116**

Type: **not specified**

Crab cavity frequency tuner & challenges

Wednesday 9 October 2024 09:50 (20 minutes)

Presenter: ARTOOS, Kurt (CERN)

Session Classification: WP4 - Wednesday AM Part 1

Contribution ID: **117**

Type: **not specified**

LLRF & Controls

Wednesday 9 October 2024 12:00 (20 minutes)

Presenter: HAGMANN, Gregoire (CERN)

Session Classification: WP4 - Wednesday AM Part 2

Contribution ID: **118**

Type: **not specified**

Series cryomodule design

Wednesday 9 October 2024 14:00 (20 minutes)

Presenter: CAPELLI, Teddy (CERN)

Session Classification: WP4/WP9/WP12/WP19 - Wednesday AM

Contribution ID: **119**

Type: **not specified**

Alignment analysis of the RFD prototype during cold test

Wednesday 9 October 2024 14:20 (20 minutes)

Presenter: RUDE, Vivien (CERN)

Session Classification: WP4/WP9/WP12/WP19 - Wednesday AM

Contribution ID: **120**

Type: **not specified**

Vacuum, preparations for collaborations & status

Wednesday 9 October 2024 14:40 (20 minutes)

Presenter: BREGLIOZZI, Giuseppe (CERN)

Session Classification: WP4/WP9/WP12/WP19 - Wednesday AM

Contribution ID: **121**

Type: **not specified**

Crab cavities cryogenics –status and perspective

Wednesday 9 October 2024 15:00 (20 minutes)

Presenter: GAHIER, Vanessa (CERN)

Session Classification: WP4/WP9/WP12/WP19 - Wednesday AM

Contribution ID: 122

Type: **not specified**

Mechanical measurements, experience during transport and testing of cryomodules

Wednesday 9 October 2024 15:20 (20 minutes)

Presenter: ARTOOS, Kurt (CERN)

Session Classification: WP4/WP9/WP12/WP19 - Wednesday AM

Contribution ID: 123

Type: **not specified**

Canada RFD CM series challenges –procurements and schedule

Wednesday 9 October 2024 16:30 (20 minutes)

Presenter: LAXDAL, Robert Edward

Session Classification: WP4 - Wednesday PM

Contribution ID: 124

Type: **not specified**

UK series cryomodules procurements, schedule and challenges discussion

Wednesday 9 October 2024 17:10 (20 minutes)

Presenters: TEMPLETON, Niklas John (STFC Daresbury Laboratory (GB)); TEMPLETON, Niklas

Session Classification: WP4 - Wednesday PM

Contribution ID: 125

Type: **not specified**

RFD-SPS Cryomodule: QA lessons learnt & future challenges

Wednesday 9 October 2024 16:50 (20 minutes)

Presenter: GUERRA GRANJEIRO, Carlos Manuel (STFC Daresbury Laboratory (GB))

Session Classification: WP4 - Wednesday PM

Contribution ID: 126

Type: **not specified**

Cavity Specification drawings / Metrology

Tuesday 8 October 2024 16:50 (20 minutes)

Presenter: LEUXE, Raphael (CERN)

Session Classification: WP4 - Discussion - Tuesday PM

Contribution ID: 127

Type: **not specified**

SPS-CC instability studies & RF feedback gain along HL cycle

Thursday 10 October 2024 09:50 (20 minutes)

Presenter: GIACOMEL, Lorenzo (CERN)

Session Classification: WP2/WP4

Contribution ID: **128**

Type: **not specified**

CC-PU specification update

Thursday 10 October 2024 10:10 (20 minutes)

Presenter: HOFLE, Wolfgang (CERN)

Session Classification: WP2/WP4

Contribution ID: **129**

Type: **not specified**

LHC RF power studies & MD results

Thursday 10 October 2024 09:10 (20 minutes)

Presenter: KARLSEN-BAECK, Birk Emil (Sapienza Universita e INFN, Roma I (IT))

Session Classification: WP2/WP4

Contribution ID: **130**

Type: **not specified**

LHC longitudinal impedance studies

Thursday 10 October 2024 08:30 (20 minutes)

Presenter: ZAMPETAKIS, Michail (CERN)

Session Classification: WP2/WP4

Contribution ID: **131**

Type: **not specified**

Projections for 2025 & HL-LHC

Thursday 10 October 2024 09:30 (20 minutes)

Presenter: TIMKO, Helga (CERN)

Session Classification: WP2/WP4

Contribution ID: **132**

Type: **not specified**

Discussion

Tuesday 8 October 2024 10:40 (20 minutes)

Session Classification: WP4 - Tuesday AM

Contribution ID: 133

Type: **not specified**

RFD prototype at CERN overview planning

Tuesday 8 October 2024 09:00 (10 minutes)

Presenter: VALVERDE ALONSO, Nuria (CERN)

Session Classification: WP4 - Tuesday AM

Contribution ID: 134

Type: **not specified**

Studies for transport of crab cavities equipment

Wednesday 9 October 2024 15:40 (20 minutes)

Presenter: GUILLEN HERNANDEZ, Teresa (CERN)

Session Classification: WP4/WP9/WP12/WP19 - Wednesday AM

Contribution ID: 135

Type: **not specified**

LHC longitudinal impedance measurement through Schottky spectra

Thursday 10 October 2024 08:50 (20 minutes)

Presenter: LANNOY, Christophe (EPFL - Ecole Polytechnique Federale Lausanne (CH))

Session Classification: WP2/WP4

Contribution ID: 136

Type: **not specified**

HL-LHC radiation level studies and specification document

Wednesday 9 October 2024 15:40 (20 minutes)

Presenter: LERNER, Giuseppe (CERN)

Session Classification: WP2/WP5/WP7/WP10

Contribution ID: 137

Type: **not specified**

Lessons learned from LHC optics control in view of HL-LHC

Tuesday 8 October 2024 17:40 (20 minutes)

Presenter: MACLEAN, Ewen Hamish (CERN)

Session Classification: WP2/WP5/WP7

Contribution ID: 138

Type: **not specified**

Power deposition studies for proton losses in IR3 and IR7

Thursday 10 October 2024 11:00 (18 minutes)

Presenter: RODIN, Volodymyr (CERN)

Session Classification: WP5/WP7/WP14

Contribution ID: 139

Type: **not specified**

Upgrade studies for the TCDS in IR6

Thursday 10 October 2024 11:18 (18 minutes)

Presenter: GUERIN, Helene

Session Classification: WP5/WP7/WP14

Contribution ID: **140**

Type: **not specified**

Update on failure case studies

Thursday 10 October 2024 11:36 (18 minutes)

Presenter: HERNALSTEENS, Cedric (CERN)

Session Classification: WP5/WP7/WP14

Contribution ID: **141**

Type: **not specified**

Damage of sc. sample coils due to beam impact

Thursday 10 October 2024 11:54 (18 minutes)

Presenter: GANCARCIK, David (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: WP5/WP7/WP14

Contribution ID: 142

Type: **not specified**

Q1/Q3 production challenges

Wednesday 9 October 2024 15:00 (30 minutes)

Presenter: NOBREGA, Alfred (Fermi National Accelerator Lab. (US))

Session Classification: WP3/WP16 - Wednesday PM

Contribution ID: **143**

Type: **not specified**

Discussion

Thursday 10 October 2024 11:00 (1h 30m)

Session Classification: WP4 - Thursday AM

Contribution ID: **144**

Type: **not specified**

Collimators production strategy and implementation

Thursday 10 October 2024 12:12 (18 minutes)

Presenter: PICCINNI, Carla (CERN)

Session Classification: WP5/WP7/WP14

Contribution ID: 145

Type: **not specified**

Magnetic center alignment results

Wednesday 9 October 2024 15:30 (30 minutes)

Presenter: DIMARCO, Joseph

Session Classification: WP3/WP16 - Wednesday PM

Contribution ID: 146

Type: **not specified**

Remote manipulation of VAX modules 20'+10'

Tuesday 8 October 2024 18:00 (30 minutes)

Presenter: DI GIOVANNANTONIO, Sergio (CERN)

Session Classification: WP8/WP12 - Operational aspects of TAXS region - Tuesday PM

Contribution ID: **147**

Type: **not specified**

Wrap-up

Thursday 10 October 2024 10:10 (20 minutes)

Presenters: BAGLIN, Vincent (CERN); SANCHEZ GALAN, Francisco (CERN)

Session Classification: WP8/WP12 - From production to installation - Thursday AM

Contribution ID: **148**

Type: **not specified**

Discussion - Cryomodules

Wednesday 9 October 2024 17:30 (30 minutes)

Session Classification: WP4 - Wednesday PM