

Joint LARP CM26/Hi-Lumi Meeting at SLAC

Report of Contributions

Contribution ID: 0

Type: **not specified**

Status of DQW cavity and auxiliary systems production

Thursday, 19 May 2016 15:30 (30 minutes)

Presenter: GARLASCHE, Marco (CERN)

Session Classification: Crab Cavity Session

Contribution ID: 1

Type: **not specified**

Cryomodule Integration Plans

Wednesday, 18 May 2016 17:00 (30 minutes)

Presenter: TEMPLETON, Niklas (CERN)

Session Classification: Crab Cavity Session

Contribution ID: 2

Type: **not specified**

DQW Frequency Analysis and Tuning Plans

Thursday, 19 May 2016 14:00 (30 minutes)

Presenter: VERDÚ-ANDRÉS, Silvia (TERA / IFIC)

Session Classification: Crab Cavity Session

Contribution ID: 3

Type: **not specified**

RFD Frequency Analysis and Tuning Plans

Thursday, 19 May 2016 14:30 (30 minutes)

Presenter: Ms DE SILVA, Subashini (Old Dominion University)

Session Classification: Crab Cavity Session

Contribution ID: 4

Type: **not specified**

Plans for RFD qualification, testing and processing

Thursday, 19 May 2016 16:00 (30 minutes)

Presenter: MCEWEN, Anne (JLAB)

Session Classification: Crab Cavity Session

Contribution ID: 5

Type: **not specified**

Fluid Simulations

Presenter: JONES, Thomas (STFC, Daresbury)

Contribution ID: 6

Type: **not specified**

FPC test box

Wednesday, 18 May 2016 16:30 (30 minutes)

Presenter: MITCHELL, James (Cockcroft Institute)

Session Classification: Crab Cavity Session

Contribution ID: 7

Type: **not specified**

Crab Cavity Failure Modes

Presenter: TBD

Contribution ID: 8

Type: **not specified**

Status of hollow electron lens desgin at CERN

Thursday, 19 May 2016 14:00 (30 minutes)

Presenter: PERINI, Diego (CERN)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 9

Type: **not specified**

Crab cavity RF noise mitigation and transverse tail cleaning

Thursday, 19 May 2016 09:30 (30 minutes)

Presenter: MASTORIDIS, Themis (Cal Poly)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: **10**

Type: **not specified**

Noise and emittance blow-up in the presence of beam-beam (update on simulations)

Thursday, 19 May 2016 10:30 (30 minutes)

Presenter: QIANG, ji (LBNL)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 11

Type: **not specified**

Pros and Cons of the 200 MHz System

Thursday, 19 May 2016 09:00 (30 minutes)

Presenter: Dr LI, Kevin (CERN)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 12

Type: **not specified**

Impedance update (crab cavities)

Thursday, 19 May 2016 11:00 (30 minutes)

Presenter: LI, Zenghai (SLAC)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 13

Type: **not specified**

Impedance update (other components)

Thursday, 19 May 2016 11:30 (30 minutes)

Presenter: Dr METRAL, Elias (CERN)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 14

Type: **not specified**

Transverse feedback development and possible implementation to LHC/HL-LHC

Thursday, 19 May 2016 08:30 (30 minutes)

Presenter: FOX, John (SLAC)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 15

Type: **not specified**

Prospect for hollow e-lens contribution from the U.S.

Thursday, 19 May 2016 14:30 (30 minutes)

Presenter: VALERIO, Linda (Fermilab)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 16

Type: **not specified**

Beam beam long range compensation experiments at LHC

Thursday, 19 May 2016 16:00 (30 minutes)

Presenter: VALISHEV, Alexander (Fermilab)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 17

Type: **not specified**

Interplay beam-beam and impedance

Presenter: ALEXAHIN, Yuri (Fermilab)

Contribution ID: 18

Type: **not specified**

Update of the stability limits including the effect of electron cloud, implications for machine and HW parameters (e.g. ramp rates)

Thursday, 19 May 2016 16:30 (30 minutes)

Presenter: Dr METRAL, Elias (CERN)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 19

Type: **not specified**

Operation with high luminosity LHCb

Thursday, 19 May 2016 12:00 (30 minutes)

Presenter: PAPAPHILIPPOU, Yannis (CERN)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 20

Type: **not specified**

Impact of low frequency noise (power converter, vibrations, etc. on emittance blow-up)

Thursday, 19 May 2016 17:00 (30 minutes)

Presenter: FITTERER, Miriam (FNAL)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 21

Type: **not specified**

Update of the requirements on circuits parameters from beam physics (current, acceleration and ramp rates, ripple and stability)

Presenter: Dr GIOVANNOZZI, Massimo (CERN)

Contribution ID: 22

Type: **not specified**

Beam dynamics of halo collimation with hollow electron lens

Thursday, 19 May 2016 15:00 (30 minutes)

Presenter: FITTERER, Miriam (FNAL)

Session Classification: Accelerator/Crab Parallel Session

Contribution ID: 23

Type: **not specified**

Effect of beam screen on field quality / measurement precision

Presenter: TBD

Contribution ID: 24

Type: **not specified**

Welcome and SLAC Status

Wednesday, 18 May 2016 08:30 (15 minutes)

Presenter: Prof. RAUBENHEIMER, Tor (SLAC)

Contribution ID: 25

Type: **not specified**

HL-LHC Status and Plans

Wednesday, 18 May 2016 08:45 (35 minutes)

Presenter: Prof. ROSSI, Lucio (CERN)

Contribution ID: 26

Type: **not specified**

Status of Crab Cavities Effort

Wednesday, 18 May 2016 12:00 (30 minutes)

Presenter: CALAGA, Rama (CERN)

Contribution ID: 27

Type: **not specified**

WP3 Status and Latest Achievements

Wednesday, 18 May 2016 10:55 (35 minutes)

Presenter: Dr TODESCO, Ezio (CERN)

Contribution ID: **28**

Type: **not specified**

Beam Dynamics

Wednesday, 18 May 2016 10:25 (30 minutes)

Requested elements of this presentation:

- specific inputs for US deliverables: Field Quality requirements, Magnet alignment requirements, etc.
- experience from LHC operation (e.g. operation with pushed optics, observations of cold mass vibrations on the beam, instabilities, and e-cloud)
- very brief update on the status of the LHC

Presenter: Dr GIOVANNOZZI, Massimo (CERN)

Contribution ID: 29

Type: **not specified**

LARP Status and Plans

Wednesday, 18 May 2016 09:20 (35 minutes)

Presenter: Dr APOLLINARI, Giorgio (Fermilab)

Contribution ID: **30**

Type: **not specified**

Collimation System Status and Plans

Wednesday, 18 May 2016 11:30 (30 minutes)

Including the Hollow Electron Beam Collimation proposal, test results of the Rotatable Collimator in the SPS and plans for the HRMT21 test.

Presenter: Dr REDAELLI, Stefano Redaelli (CERN)

Contribution ID: 31

Type: **not specified**

MQXFS1 strain gauge analysis

Thursday, 19 May 2016 08:50 (20 minutes)

Presenters: VALLONE, Giorgio (CERN); PAN, Heng (LBNL)

Session Classification: Magnet Parallel Session

Contribution ID: 32

Type: **not specified**

MQXFS1b loading

Thursday, 19 May 2016 09:10 (20 minutes)

Presenter: PAN, Heng (LBNL)

Session Classification: Magnet Parallel Session

Contribution ID: 33

Type: **not specified**

Conductor procurement and QC from LARP

Thursday, 19 May 2016 09:30 (20 minutes)

Presenter: Dr COOLEY, Lance (Fermilab)

Session Classification: Magnet Parallel Session

Contribution ID: 34

Type: **not specified**

Conductor procurement and QC from CERN

Thursday, 19 May 2016 09:50 (20 minutes)

Presenter: BORDINI, Bernardo (CERN)

Session Classification: Magnet Parallel Session

Contribution ID: 35

Type: **not specified**

MQXF Status and Plans

Thursday, 19 May 2016 10:30 (30 minutes)

Presenters: AMBROSIO, Giorgio (FNAL TD/MSD); FERRACIN, Paolo (CERN)

Session Classification: Magnet Parallel Session

Contribution ID: **36**

Type: **not specified**

MQXF quench protection update

Thursday, 19 May 2016 11:00 (20 minutes)

Presenter: Dr RAVAIOLI, Emmanuele (LBNL)

Session Classification: Magnet Parallel Session

Contribution ID: 37

Type: **not specified**

Withstand voltage levels

Thursday, 19 May 2016 11:20 (50 minutes)

Presenter: RODRIGUEZ MATEOS, Felix (CERN)

Session Classification: Magnet Parallel Session

Contribution ID: **38**

Type: **not specified**

Discussion

Thursday, 19 May 2016 12:10 (20 minutes)

Presenter: ALL

Session Classification: Magnet Parallel Session

Contribution ID: 39

Type: **not specified**

MQXF Structures updates and Action Items from workshop

Thursday, 19 May 2016 13:40 (30 minutes)

Presenter: Mr PEREZ, Juan Carlos (CERN)

Session Classification: Magnet Parallel Session

Contribution ID: 40

Type: **not specified**

Upgrade of the MQXF Structures updates and Action Items from workshop

Thursday, 19 May 2016 14:10 (30 minutes)

Presenter: CHENG, Daniel (LBNL)

Session Classification: Magnet Parallel Session

Contribution ID: 41

Type: **not specified**

MQXFP Mirror status

Thursday, 19 May 2016 14:40 (30 minutes)

Primary author: Mr BOSSERT, Rodger (Fermilab)

Presenter: Mr BOSSERT, Rodger (Fermilab)

Session Classification: Magnet Parallel Session

Contribution ID: 42

Type: **not specified**

Upgrade of the Vertical Test facility at BNL

Thursday, 19 May 2016 15:40 (30 minutes)

Presenter: Mr ANERELLA, michael (BNL)

Session Classification: Magnet Parallel Session

Contribution ID: 43

Type: **not specified**

Upgrade of the Vertical Test facility at CERN

Thursday, 19 May 2016 16:10 (30 minutes)

Presenter: Ms BAJKO, Marta (CERN)

Session Classification: Magnet Parallel Session

Contribution ID: 44

Type: **not specified**

MQXF and Cold-Mass Requirements

Thursday, 19 May 2016 16:40 (30 minutes)

Presenter: CARCAGNO, Ruben (FNAL)

Session Classification: Magnet Parallel Session

Contribution ID: 45

Type: **not specified**

Q1/Q3 Cold-Mass design and assembly plans

Thursday, 19 May 2016 17:10 (20 minutes)

Presenter: Mr VOURIS, Antonios (FNAL)

Session Classification: Magnet Parallel Session

Contribution ID: 46

Type: **not specified**

Discussion

Thursday, 19 May 2016 17:30 (20 minutes)

Presenter: ALL

Session Classification: Magnet Parallel Session

Contribution ID: 47

Type: **not specified**

Toohig Candidate #1 Presentation

Wednesday, 18 May 2016 13:35 (30 minutes)

Presenter: ARSENYEV, Sergey (MIT)

Contribution ID: 48

Type: **not specified**

Toohig Candidate #2 Presentation

Wednesday, 18 May 2016 14:05 (30 minutes)

Presenter: CABANES, Jaime (CERN)

Contribution ID: 49

Type: **not specified**

Toohig Candidate #3 Presentation

Wednesday, 18 May 2016 14:35 (30 minutes)

Presenter: ZHA, Hao (CERN)

Contribution ID: 50

Type: **not specified**

MQXFS1 test results

Presenter: CHLACHIDZE, Guram (FNAL/TD/MSD)

Contribution ID: 51

Type: **not specified**

MQXFS1 Magnetic Measurements

Wednesday, 18 May 2016 15:30 (30 minutes)

Presenter: SABBI, GianLuca (LBNL)

Session Classification: WP2-WP3 Joint Session

Contribution ID: 52

Type: **not specified**

MQXF field quality analysis

Presenter: IZQUIERDO BERMUDEZ, Susana (CERN)

Contribution ID: 53

Type: **not specified**

MQXF Field quality expectaions based on coil cross section and effect of beam screen

Wednesday, 18 May 2016 16:00 (30 minutes)

Presenters: HOLIK, Eddie (FNAL); IZQUIERDO BERMUDEZ, Susana (CERN)

Session Classification: WP2-WP3 Joint Session

Contribution ID: 54

Type: **not specified**

Alignment tolerances

Wednesday, 18 May 2016 17:30 (30 minutes)

Presenter: Dr TODESCO, Ezio (CERN)

Session Classification: WP2-WP3 Joint Session

Contribution ID: 55

Type: **not specified**

Update of the requirements on circuits parameters from beam physics (current, acceleration and ramp rates, ripple and stability)

Wednesday, 18 May 2016 17:00 (30 minutes)

Presenter: DE MARIA, Riccardo (CERN)

Session Classification: WP2-WP3 Joint Session

Contribution ID: 56

Type: **not specified**

Preparation of US Project and Schedule

Friday, 20 May 2016 09:00 (30 minutes)

Presenter: CARCAGNO, Ruben (FNAL)

Contribution ID: 57

Type: **not specified**

Status of Civil engineering and plans for HL-LHC Production

Presenter: CERN PROJECT OFFICE REPRESENTATIVE, TBD

Contribution ID: 58

Type: **not specified**

QA/QC Plans and Technical Documentation

Friday, 20 May 2016 10:00 (30 minutes)

Presenter: BEJAR ALONSO, Isabel (CERN)

Contribution ID: 59

Type: **not specified**

WP2 Parallel Session Report

Friday, 20 May 2016 11:00 (20 minutes)

Presenter: ARDUINI, Gianluigi (CERN)

Contribution ID: **60**

Type: **not specified**

WP3 Parallel Session Report

Friday, 20 May 2016 11:20 (20 minutes)

Primary author: FERRACIN, Paolo (CERN)

Presenter: FERRACIN, Paolo (CERN)

Contribution ID: **61**

Type: **not specified**

WP4 Parallel Session Report

Friday, 20 May 2016 11:40 (20 minutes)

Presenter: RATTI, Alessandro (LBNL)

Contribution ID: **62**

Type: **not specified**

Final Remarks and A.O.B.

Friday, 20 May 2016 12:00 (15 minutes)

Presenter: Dr APOLLINARI, Giorgio (Fermilab)

Contribution ID: 63

Type: **not specified**

A Proposed Continuation of the LARP Research Mission

Friday, 20 May 2016 13:30 (15 minutes)

Presenter: Dr APOLLINARI, Giorgio (Fermilab)

Session Classification: LARP' Discussion

Contribution ID: **64**

Type: **not specified**

WBFS Technology in HL-LHC

Friday, 20 May 2016 13:45 (25 minutes)

Presenter: FOX, John (SLAC)

Session Classification: LARP' Discussion

Contribution ID: 65

Type: **not specified**

E-beams for LRBB Compensation and Advanced Halo Control in LHC upgrades

Friday, 20 May 2016 14:10 (40 minutes)

Presenter: FITTERER, Miriam (FNAL)

Session Classification: LARP' Discussion

Contribution ID: **66**

Type: **not specified**

An Electron Beam LRBB Compensation in HL-LHC

Presenter: Ms FITTERER, Miriam (CERN)

Contribution ID: 67

Type: **not specified**

Irradiation Studies in support of HL-LHC Operations

Friday, 20 May 2016 15:40 (20 minutes)

Presenter: Dr REDAELLI, Stefano Redaelli (CERN)

Session Classification: LARP' Discussion

Contribution ID: **68**

Type: **not specified**

Synchrotron Light Based Halo Monitor

Friday, 20 May 2016 16:00 (20 minutes)

Presenter: Dr FISHER, Alan (SLAC)

Session Classification: LARP' Discussion

Contribution ID: **69**

Type: **not specified**

Ideas for Acc. Technology studies in HL-LHC

Friday, 20 May 2016 17:20 (20 minutes)

Presenter: Dr PREBYS, Eric (Fermilab)

Session Classification: LARP' Discussion

Contribution ID: 70

Type: **not specified**

Lattice development for an energy doubled LHC

Friday, 20 May 2016 14:50 (20 minutes)

Presenters: Dr CAI, Yunhai (SLAC); NOSOCHKOV, Yuri (SLAC)

Session Classification: LARP' Discussion

Contribution ID: 71

Type: **not specified**

Timescale of LARP contributions to Energy Doubler

Friday, 20 May 2016 17:40 (20 minutes)

Presenter: AMBROSIO, Giorgio (FNAL TD/MSD)

Session Classification: LARP' Discussion

Contribution ID: 72

Type: **not specified**

HL-LHC Collaboration Board and Functions in Project Execution

Friday, 20 May 2016 09:30 (30 minutes)

Presenter: Dr BRUNING, Oliver (CERN)

Contribution ID: 73

Type: **not specified**

LLRF for HL-LHC

Friday, 20 May 2016 17:00 (20 minutes)

Presenters: RIVETTA, Claudio (SLAC); Dr MASTORIDES, Themistoklis (SLAC)

Session Classification: LARP' Discussion

Contribution ID: 74

Type: **not specified**

Teleconference Connection Info

Contribution ID: 75

Type: **not specified**

Field quality and dynamic aperture optimization

Wednesday, 18 May 2016 16:30 (30 minutes)

Presenter: NOSOCHKOV, Yuri (SLAC)

Session Classification: WP2-WP3 Joint Session

Contribution ID: 76

Type: **not specified**

MQXFS1 test results

Thursday, 19 May 2016 08:30 (20 minutes)

Presenter: CHLACHIDZE, Guram (FNAL/TD/MSD)

Session Classification: Magnet Parallel Session

Contribution ID: 77

Type: **not specified**

High performance simulation of beam-beam and electron cloud effects for LHC upgrades

Friday, 20 May 2016 16:40 (20 minutes)

Presenter: QIANG, ji (LBNL)

Session Classification: LARP' Discussion

Contribution ID: 78

Type: **not specified**

DQW Tuner Mockup test

Wednesday, 18 May 2016 16:00 (30 minutes)

Presenter: CASTILLA, Alejandro (CERN)

Session Classification: Crab Cavity Session

Contribution ID: 79

Type: **not specified**

Plans for crab cavity production in the US construction project

Wednesday, 18 May 2016 15:30 (30 minutes)

Presenter: RISTORI, Leonardo (Fermilab)

Session Classification: Crab Cavity Session

Contribution ID: **80**

Type: **not specified**

Preparation for MQXF Review

Thursday, 19 May 2016 17:50 (30 minutes)

Presenter: TOCK, Jean-Philippe (CERN)

Session Classification: Magnet Parallel Session

Contribution ID: **81**

Type: **not specified**

Toohig Introduction

Wednesday, 18 May 2016 13:30 (5 minutes)

Presenter: FOX, John (SLAC)

Contribution ID: **82**

Type: **not specified**

Discussion

Thursday, 19 May 2016 16:30 (2 hours)

Presenters: RATTI, Alessandro (LBNL); CALAGA, Rama (CERN)

Session Classification: Crab Cavity Session

Contribution ID: **83**

Type: **not specified**

Superconducting RF Studies & E-Lens Studies at BNL

Friday, 20 May 2016 16:20 (20 minutes)

Presenter: VERDÚ-ANDRÉS, Silvia (TERA / IFIC)

Session Classification: LARP' Discussion

Contribution ID: **84**

Type: **not specified**

Dusatko Talk

Saturday, 21 May 2016 09:30 (20 minutes)

Presenter: DUSATKO, John (SLAC National Accelerator Laboratory)

Session Classification: Feedback and Beam Instability

Contribution ID: 85

Type: **not specified**

Rivetta Talk

Saturday, 21 May 2016 09:50 (20 minutes)

Presenter: RIVETTA, Claudio (SLAC)

Session Classification: Feedback and Beam Instability

Contribution ID: **86**

Type: **not specified**

Metral Talk

Saturday, 21 May 2016 10:10 (20 minutes)

Presenter: Dr METRAL, Elias (CERN)

Session Classification: Feedback and Beam Instability

Contribution ID: 87

Type: **not specified**

Hofle Talk

Saturday, 21 May 2016 10:30 (20 minutes)

Presenter: Dr HOFLE, Wolfgang (CERN)

Session Classification: Feedback and Beam Instability