

Review of HL-LHC Alignment and Internal Metrology (WP15.4)



Report of Contributions

Contribution ID: 1

Type: **not specified**

Executive session

Monday 26 August 2019 08:15 (15 minutes)

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

Welcome

Monday 26 August 2019 08:30 (15 minutes)

Presenter: BRUNING, Oliver (CERN)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

Overview of WP15.4 inside the HL-LHC project

Monday 26 August 2019 08:45 (30 minutes)

Presenter: MAINAUD DURAND, Helene (CERN)

Session Classification: Introduction

Contribution ID: 4

Type: **not specified**

Q&A

Monday 26 August 2019 09:15 (10 minutes)

Session Classification: Introduction

Contribution ID: 5

Type: **not specified**

Introduction to FSI systems

Monday 26 August 2019 09:25 (30 minutes)

Presenter: SOSIN, Mateusz (CERN)

Session Classification: Internal monitoring

Contribution ID: 6

Type: **not specified**

Q&A

Monday 26 August 2019 09:55 (10 minutes)

Session Classification: Internal monitoring

Contribution ID: 7

Type: **not specified**

FSI qualification and results

Monday 26 August 2019 10:05 (30 minutes)

Presenter: RUDE, Vivien (CERN)

Session Classification: Internal monitoring

Contribution ID: 8

Type: **not specified**

Q&A

Monday 26 August 2019 10:35 (10 minutes)

Session Classification: Internal monitoring

Contribution ID: 9

Type: **not specified**

FSI choices and next steps

Monday 26 August 2019 11:05 (20 minutes)

Presenter: MAINAUD DURAND, Helene (CERN)

Session Classification: Internal monitoring

Contribution ID: **10**

Type: **not specified**

Q&A

Monday 26 August 2019 11:25 (15 minutes)

Session Classification: Internal monitoring

Contribution ID: **11**

Type: **not specified**

Visit dipole and 181

Contribution ID: 12

Type: **not specified**

Internal metrology on crab cavities

Monday 26 August 2019 13:40 (20 minutes)

Presenter: RUDE, Vivien (CERN)

Session Classification: Fiducialisation aspects

Contribution ID: 13

Type: **not specified**

Q&A

Monday 26 August 2019 14:00 (10 minutes)

Session Classification: Fiducialisation aspects

Contribution ID: 14

Type: **not specified**

Internal metrology/fiducialisation on other HL-LHC components

Monday 26 August 2019 14:10 (30 minutes)

Presenter: BESTMANN, Patrick (CERN)

Session Classification: Fiducialisation aspects

Contribution ID: 15

Type: **not specified**

Q&A

Monday 26 August 2019 14:40 (10 minutes)

Session Classification: Fiducialisation aspects

Contribution ID: 16

Type: **not specified**

Strategy concerning magnetic measurements, at cold, at warm

Monday 26 August 2019 14:50 (20 minutes)

Presenter: FISCARELLI, Lucio (CERN)

Session Classification: Fiducialisation aspects

Contribution ID: 17

Type: **not specified**

Q&A

Monday 26 August 2019 15:10 (10 minutes)

Session Classification: Fiducialisation aspects

Contribution ID: 18

Type: **not specified**

Aperture and beam dynamics advantages for the machine

Monday 26 August 2019 15:40 (20 minutes)

Presenter: DE MARIA, Riccardo (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: **19**

Type: **not specified**

Q&A

Monday 26 August 2019 16:00 (10 minutes)

Session Classification: Alignment systems: FRAS

Contribution ID: 20

Type: **not specified**

Vacuum: full remote alignment system

Monday 26 August 2019 16:10 (10 minutes)

Presenter: Dr RIDDONE, Germana (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: 21

Type: **not specified**

Cryo: review of the limitations in moving the components under vacuum and

Monday 26 August 2019 16:20 (10 minutes)

Presenter: CLAUDET, Serge (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: 22

Type: **not specified**

RF: review of the limitations in moving the components under vacuum and cold

Monday 26 August 2019 16:30 (10 minutes)

Presenters: VANDONI, Giovanna (CERN); CALAGA, Rama (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: 23

Type: **not specified**

BI requirements

Monday 26 August 2019 16:40 (10 minutes)

Presenter: KRUPA, Michal (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: 24

Type: **not specified**

Q&A

Monday 26 August 2019 16:50 (10 minutes)

Session Classification: Alignment systems: FRAS

Contribution ID: 25

Type: **not specified**

HL-LHC Long Straight Section layout

Monday 26 August 2019 17:10 (15 minutes)

Presenter: GONZALEZ DE LA ALEJA CABANA, Maria Amparo (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: 26

Type: **not specified**

Full Remote Alignment & MS optimization

Monday 26 August 2019 17:25 (15 minutes)

Presenter: FESSIA, Paolo (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: 27

Type: **not specified**

Q&A

Monday 26 August 2019 17:40 (10 minutes)

Session Classification: Alignment systems: FRAS

Contribution ID: 28

Type: **not specified**

Full Remote Alignment spec and interfaces

Monday 26 August 2019 17:50 (20 minutes)

Presenter: MAINAUD DURAND, Helene (CERN)

Session Classification: Alignment systems: FRAS

Contribution ID: 29

Type: **not specified**

Q&A

Monday 26 August 2019 18:10 (10 minutes)

Session Classification: Alignment systems: FRAS

Contribution ID: **30**

Type: **not specified**

Radiation to electronics considerations

Tuesday 27 August 2019 08:45 (10 minutes)

Presenters: LERNER, Giuseppe (CERN); GARCIA ALIA, Ruben (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 31

Type: **not specified**

RP considerations

Tuesday 27 August 2019 08:55 (10 minutes)

Presenter: Dr INFANTINO, Angelo (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 32

Type: **not specified**

Safety considerations

Tuesday 27 August 2019 09:05 (10 minutes)

Presenter: GAINANT, Christelle (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 33

Type: **not specified**

Q&A

Tuesday 27 August 2019 09:15 (15 minutes)

Session Classification: Alignment systems: adjustment

Contribution ID: 34

Type: **not specified**

Machine protection and operational aspects

Tuesday 27 August 2019 09:30 (15 minutes)

Presenter: UYTHOVEN, Jan (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 35

Type: **not specified**

Q&A

Tuesday 27 August 2019 09:45 (15 minutes)

Session Classification: Alignment systems: adjustment

Contribution ID: 36

Type: **not specified**

Jack requirements and motorization strategy

Tuesday 27 August 2019 10:00 (20 minutes)

Presenter: MAINAUD DURAND, Helene (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 37

Type: **not specified**

Q&A

Tuesday 27 August 2019 10:20 (10 minutes)

Session Classification: Alignment systems: adjustment

Contribution ID: **38**

Type: **not specified**

Jacks for the HL LHC magnets

Tuesday 27 August 2019 10:30 (20 minutes)

Presenter: PARMA, Vittorio (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 39

Type: **not specified**

Q&A

Tuesday 27 August 2019 10:50 (10 minutes)

Session Classification: Alignment systems: adjustment

Contribution ID: 40

Type: **not specified**

5DOF/6DOF Platform

Tuesday 27 August 2019 11:20 (30 minutes)

Presenter: SOSIN, Mateusz (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 41

Type: **not specified**

Q&A

Tuesday 27 August 2019 11:50 (10 minutes)

Session Classification: Alignment systems: adjustment

Contribution ID: 42

Type: **not specified**

Motors control and commands

Tuesday 27 August 2019 12:00 (20 minutes)

Presenter: PERONNARD, Paul (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 43

Type: **not specified**

Q&A

Tuesday 27 August 2019 12:20 (10 minutes)

Session Classification: Alignment systems: adjustment

Contribution ID: 44

Type: **not specified**

System reliability and radiation hadness/ maintenability

Tuesday 27 August 2019 12:30 (20 minutes)

Presenter: SOSIN, Mateusz (CERN)

Session Classification: Alignment systems: adjustment

Contribution ID: 45

Type: **not specified**

Q&A

Tuesday 27 August 2019 12:50 (10 minutes)

Session Classification: Alignment systems: adjustment

Contribution ID: 46

Type: **not specified**

Continuous position determination: concept and status of integration

Tuesday 27 August 2019 14:00 (30 minutes)

Presenter: HERTY, Andreas (CERN)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 47

Type: **not specified**

Q&A

Tuesday 27 August 2019 14:30 (10 minutes)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 48

Type: **not specified**

Status of developments

Tuesday 27 August 2019 14:40 (30 minutes)

Presenter: SOSIN, Mateusz (CERN)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 49

Type: **not specified**

Q&A

Tuesday 27 August 2019 15:10 (5 minutes)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 50

Type: **not specified**

Uncertainty of measurements

Tuesday 27 August 2019 15:15 (20 minutes)

Presenter: RUDE, Vivien (CERN)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 51

Type: **not specified**

Q&A

Tuesday 27 August 2019 15:35 (5 minutes)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 52

Type: **not specified**

Status of automatic measurements

Tuesday 27 August 2019 15:50 (20 minutes)

Presenter: MAINAUD DURAND, Helene (CERN)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 53

Type: **not specified**

Q&A

Tuesday 27 August 2019 16:10 (5 minutes)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 54

Type: **not specified**

What is foreseen on string test

Tuesday 27 August 2019 16:15 (20 minutes)

Presenter: HERTY, Andreas (CERN)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 55

Type: **not specified**

Q&A

Tuesday 27 August 2019 16:35 (5 minutes)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 56

Type: **not specified**

Summary

Tuesday 27 August 2019 16:40 (30 minutes)

Presenter: MAINAUD DURAND, Helene (CERN)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 57

Type: **not specified**

Q&A

Tuesday 27 August 2019 17:10 (30 minutes)

Session Classification: Alignment systems: position determination & AOB

Contribution ID: 58

Type: **not specified**

Executive session

Wednesday 28 August 2019 08:30 (2h 15m)

Contribution ID: 59

Type: **not specified**

Close-out session

Wednesday 28 August 2019 11:00 (1 hour)

Contribution ID: **60**

Type: **not specified**

Specific Q&A sessions for H. Friedsam

Monday 26 August 2019 18:30 (45 minutes)

Contribution ID: **61**

Type: **not specified**

Specific Q&A sessions for H. Friedsam

Tuesday 27 August 2019 17:50 (45 minutes)