

External Review on LHC Machine Protection

Report of Contributions

Contribution ID: 1

Type: **not specified**

meeting

Contribution ID: 2

Type: **not specified**

Meeting of the reviewers

Monday 6 September 2010 09:00 (30 minutes)

Session Classification: Overview LHC

Contribution ID: 3

Type: **not specified**

Introduction to the review and mandate

Monday 6 September 2010 09:30 (15 minutes)

Presenter: MYERS, Steve (CERN)

Session Classification: Overview LHC

Contribution ID: 4

Type: **not specified**

Introduction to the LHC

Monday 6 September 2010 09:45 (45 minutes)

Presenter: Dr GIOVANNOZZI, Massimo (CERN)

Session Classification: Overview LHC

Contribution ID: 5

Type: **not specified**

LHC operation and objectives for 2010/2011

Monday 6 September 2010 11:00 (45 minutes)

Presenter: LAMONT, Mike (CERN)

Session Classification: Overview LHC

Contribution ID: 6

Type: **not specified**

Introduction to LHC Machine Protection

Monday 6 September 2010 11:45 (1 hour)

Presenter: Mr SCHMIDT, Rüdiger (CERN)

Session Classification: Overview LHC Machine protection

Contribution ID: 7

Type: **not specified**

Operational experience with LHC Machine Protection

Monday 6 September 2010 14:00 (45 minutes)

Presenter: Dr ZERLAUTH, Markus (CERN)

Session Classification: Overview LHC Machine protection

Contribution ID: 8

Type: **not specified**

Overview of beam interlocking

Monday 6 September 2010 14:45 (45 minutes)

Presenter: Mr PUCCIO, Bruno (CERN)

Session Classification: LHC Machine Protection Systems

Contribution ID: 9

Type: **not specified**

Introduction to the LHC collimation system

Monday 6 September 2010 17:00 (20 minutes)

Presenter: Dr REDAELLI, Stefano (CERN)

Session Classification: LHC Machine Protection Systems

Contribution ID: **10**

Type: **not specified**

Beam Dumping system, operational experience and validation

Tuesday 7 September 2010 10:45 (45 minutes)

Presenter: Dr GODDARD, Brennan (CERN)

Session Classification: Injection, dumping and other fast systems

Contribution ID: **11**

Type: **not specified**

Meeting of the reviewers

Monday 6 September 2010 18:30 (30 minutes)

Session Classification: LHC Machine Protection Systems

Contribution ID: **12**

Type: **not specified**

Experience with BLMs

Monday 6 September 2010 16:00 (30 minutes)

Presenter: DEHNING, Bernd (CERN)

Session Classification: LHC Machine Protection Systems

Contribution ID: 13

Type: **not specified**

Protection at injection

Tuesday 7 September 2010 09:30 (45 minutes)

Presenter: KAIN, Verena (CERN)

Session Classification: Injection, dumping and other fast systems

Contribution ID: 14

Type: **not specified**

Asynchronous dumps

Tuesday 7 September 2010 11:30 (45 minutes)

Presenter: Dr BRACCO, Chiara (CERN)

Session Classification: Injection, dumping and other fast systems

Contribution ID: 15

Type: **not specified**

Fast kick failures

Tuesday 7 September 2010 09:00 (30 minutes)

Presenter: Dr UYTHOVEN, Jan (CERN)

Session Classification: Injection, dumping and other fast systems

Contribution ID: 16

Type: **not specified**

Magnet powering system

Tuesday 7 September 2010 14:00 (45 minutes)

Presenter: Dr ZERLAUTH, Markus (CERN)

Session Classification: Interlocking

Contribution ID: 17

Type: **not specified**

Movable devices

Tuesday 7 September 2010 14:45 (30 minutes)

Presenter: Dr REDAELLI, Stefano (CERN)

Session Classification: Interlocking

Contribution ID: **18**

Type: **not specified**

How to ensure that the orbit is under control (orbit feedbacks, RF frequency, feedbacks, RF, tune, ... ?)

Presenter: JW

Contribution ID: **19**

Type: **not specified**

Operational dangers (incl software: SIS and Sequencer, feedbacks, RF, tune, ...)

Presenter: LP

Contribution ID: **20**

Type: **not specified**

Executive session

Contribution ID: 21

Type: **not specified**

Known issues and future developments

Presenter: JW / RS

Contribution ID: 22

Type: **not specified**

Interactive session

Wednesday 8 September 2010 09:00 (1h 30m)

Session Classification: Discussion session

Contribution ID: 23

Type: **not specified**

Interactive session

Wednesday 8 September 2010 11:00 (2 hours)

Session Classification: Interactive session (closed session)

Contribution ID: 24

Type: **not specified**

Executive session

Wednesday 8 September 2010 14:00 (2 hours)

Session Classification: Interactive session (closed session)

Contribution ID: 25

Type: **not specified**

Recommendations and Conclusions

Contribution ID: 26

Type: **not specified**

Orbit and feedbacks

Tuesday 7 September 2010 15:45 (1 hour)

Presenter: Dr WENNINGER, Jorg (CERN)

Session Classification: Interlocking

Contribution ID: 27

Type: **not specified**

Machine protection and operation

Tuesday 7 September 2010 16:45 (1 hour)

Presenter: PONCE, Laurette (Unknown)

Session Classification: Interlocking

Contribution ID: 28

Type: **not specified**

BLM Thresholds

Monday 6 September 2010 16:30 (30 minutes)

Presenter: Dr HOLZER, Eva Barbara (CERN)

Session Classification: LHC Machine Protection Systems

Contribution ID: 29

Type: **not specified**

Collimation of encountered losses

Monday 6 September 2010 17:20 (20 minutes)

Presenter: WOLLMANN, Daniel

Session Classification: LHC Machine Protection Systems

Contribution ID: **30**

Type: **not specified**

Collimation and protection in the experimental IRs

Monday 6 September 2010 17:40 (20 minutes)

Presenter: BRUCE, Roderik (University of Lund)

Session Classification: LHC Machine Protection Systems

Contribution ID: **31**

Type: **not specified**

MP issues from collimation and impact from upgrades

Monday 6 September 2010 18:00 (30 minutes)

Presenter: Dr ASSMANN, Ralph (CERN)

Session Classification: LHC Machine Protection Systems