

EuCARD - HE-LHC'10 AccNet mini-workshop on a “High-Energy LHC”



Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome, Research and Innovation Governance in Malta 10'

Thursday 14 October 2010 08:35 (15 minutes)

Presenter: SAMMUT, Nicholas (MCST)

Session Classification: Session 1: Introduction & overview

Contribution ID: 1

Type: **not specified**

Physics case 25'

Thursday 14 October 2010 08:50 (30 minutes)

Presenter: WELLS, James (CERN)

Session Classification: Session 1: Introduction & overview

Contribution ID: 2

Type: **not specified**

Motivation, Status and Strategy HE-LHC studies 10'

Thursday 14 October 2010 09:20 (15 minutes)

Presenter: MYERS, Steve (CERN)

Session Classification: Session 1: Introduction & overview

Contribution ID: 3

Type: **not specified**

Beam parameters, optics, and beam-dynamics issues 25'

Thursday 14 October 2010 09:35 (30 minutes)

Author: Dr ZIMMERMANN, Frank (CERN)

Co-author: BRUNING, Oliver (CERN)

Presenter: Dr ZIMMERMANN, Frank (CERN)

Session Classification: Session 1: Introduction & overview

Contribution ID: 4

Type: **not specified**

Magnet concepts and cost evaluation 20'

Thursday 14 October 2010 10:30 (25 minutes)

Presenter: Dr TODESCO, Ezio (CERN)

Session Classification: Session 1: Introduction & overview

Contribution ID: 5

Type: **not specified**

Relevant studies for VLHC/SSC 20'

Thursday 14 October 2010 10:55 (25 minutes)

Presenter: WIENANDS, Uli (SLAC)

Session Classification: Session 1: Introduction & overview

Contribution ID: 6

Type: **not specified**

Detector plans and constraints for HE-LHC 20'

Thursday 14 October 2010 11:20 (25 minutes)

Presenter: NESSI, Marzio (CERN)

Session Classification: Session 1: Introduction & overview

Contribution ID: 7

Type: **not specified**

Questions and discussion 40'

Thursday 14 October 2010 11:45 (40 minutes)

Session Classification: Session 1: Introduction & overview

Contribution ID: **10**

Type: **not specified**

LBNL high-field core programme 15'

Thursday 14 October 2010 14:55 (20 minutes)

Presenter: CASPI, Shlomo (LBNL)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 11

Type: **not specified**

US-LARP magnet development 20'

Thursday 14 October 2010 14:30 (25 minutes)

Presenter: SABBI, GianLuca (LBNL)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 12

Type: **not specified**

KEK effort for high field magnets 15'

Thursday 14 October 2010 15:15 (20 minutes)

Presenter: NAKAMOTO, Tatsushi (KEK)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 13

Type: **not specified**

EuCARD magnet development 15'

Thursday 14 October 2010 15:35 (20 minutes)

Presenter: DE RIJK, Gijs (CERN)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 14

Type: **not specified**

Relevant experience from FNAL core program in high field magnets 15'

Thursday 14 October 2010 16:20 (20 minutes)

Presenter: ZLOBIN, Sasha (Fermilab)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 15

Type: **not specified**

Status of HTS magnets 20'

Thursday 14 October 2010 16:40 (25 minutes)

Presenter: SCHWARTZ, Justin (NCSU)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 16

Type: **not specified**

Texas A&M magnet development 15'

Thursday 14 October 2010 17:05 (20 minutes)

Presenter: MCINTYRE, Peter (Texas University)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 17

Type: **not specified**

Next steps in magnet R&D 10'

Thursday 14 October 2010 17:40 (15 minutes)

Presenter: GOURLAY, Stephen (LBNL)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: **18**

Type: **not specified**

Questions and discussion 45'

Thursday 14 October 2010 18:10 (45 minutes)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 19

Type: **not specified**

Heat load & cryogenics 20'

Friday 15 October 2010 08:30 (25 minutes)

Presenter: DELIKARIS, Dimitri (CERN)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 20

Type: **not specified**

Requirements from the vacuum system 20'

Friday 15 October 2010 08:55 (25 minutes)

Presenter: Dr JIMENEZ, Jose Miguel (CERN)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 21

Type: **not specified**

Beam screen issues 20'

Friday 15 October 2010 09:20 (25 minutes)

Author: Mr FURMAN, Miguel (LBNL)

Presenter: Dr METRAL, Elias (CERN)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 23

Type: **not specified**

IBS and cooling at RHIC& HE-LHC active emittance control 15'

Friday 15 October 2010 10:05 (20 minutes)

Presenter: Dr FISCHER, Wolfram (BNL)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 24

Type: **not specified**

Modeling IBS and cooling 15'

Friday 15 October 2010 10:25 (20 minutes)

Presenter: Dr BOINE-FRANKENHEIM, Oliver (GSI)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 25

Type: **not specified**

SR damping, IBS, and beam-beam simulations 15'

Friday 15 October 2010 10:45 (20 minutes)

Author: VALISHEV, Alexander (Fermilab)

Presenter: Dr SHILTSEV, Vladimir (Fermilab)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 26

Type: **not specified**

SR + beam-beam simulations 15'

Friday 15 October 2010 11:05 (20 minutes)

Presenter: OHMI, Kazuhito (KEK)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 27

Type: **not specified**

Questions and discussion 45'

Friday 15 October 2010 11:25 (45 minutes)

Session Classification: Session 3: Synchrotron radiation and beam dynamics

Contribution ID: 28

Type: **not specified**

Optimal injector cascade for HE-LHC and possible implementations 15'

Friday 15 October 2010 15:15 (20 minutes)

Presenter: GAROBY, Roland (CERN)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 29

Type: **not specified**

Using Tevatron magnets for HE-LHC or new ring in LHC tunnel? 15'

Friday 15 October 2010 15:35 (20 minutes)

Presenter: Dr PIEKARZ, Henryk (FNAL)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: **30**

Type: **not specified**

FAIR magnets and design concepts of interest to HE-LHC 15'

Friday 15 October 2010 15:55 (20 minutes)

Presenter: Dr SPILLER, Peter (GSI)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 31

Type: **not specified**

Magnet design issues & concepts for the new injector 15'

Friday 15 October 2010 16:15 (20 minutes)

Presenter: FABBRICATORE, Pasquale (INFN)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 32

Type: **not specified**

Using LHC as injector, and possible uses of HERA magnets/coils? 15'

Friday 15 October 2010 16:50 (20 minutes)

Presenter: Dr MESS, Karl Hubert (CERN)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 33

Type: **not specified**

Intensity limits and machine protection 25'

Friday 15 October 2010 17:10 (30 minutes)

Presenter: Dr ASSMANN, Ralph (CERN)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 34

Type: **not specified**

Beam transfer and beam dump issues 20'

Friday 15 October 2010 17:40 (25 minutes)

Presenter: Dr GODDARD, Brennan (CERN)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 35

Type: **not specified**

Radioprotection issues after 20 years of LHC operation 15'

Friday 15 October 2010 18:05 (20 minutes)

Author: ROESLER, Stefan (CERN)

Presenter: FORKEL-WIRTH, Doris (CERN)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 36

Type: **not specified**

Questions and discussion 45'

Friday 15 October 2010 18:25 (45 minutes)

Session Classification: Session 4: HE-LHC injector & infrastructure

Contribution ID: 37

Type: **not specified**

Reports from Session 1 30'

Saturday 16 October 2010 08:45 (30 minutes)

Presenter: KOUTCHOUK, Jean-Pierre (CERN)

Session Classification: Session 5: Summing up

Contribution ID: **38**

Type: **not specified**

Reports from Session 2 30'

Saturday 16 October 2010 09:15 (30 minutes)

Presenter: Prof. ROSSI, Lucio (CERN)

Session Classification: Session 5: Summing up

Contribution ID: 39

Type: **not specified**

Reports from Session 3 30'

Saturday 16 October 2010 10:15 (30 minutes)

Presenter: Dr SHILTSEV, Vladimir (Fermilab)

Session Classification: Session 5: Summing up

Contribution ID: 40

Type: **not specified**

Reports from Session 4 30'

Saturday 16 October 2010 10:45 (30 minutes)

Presenter: Dr PREBYS, Eric (Fermilab)

Session Classification: Session 5: Summing up

Contribution ID: 43

Type: **not specified**

High Field HTS Magnets 10'

Thursday 14 October 2010 17:25 (15 minutes)

Presenter: Dr GUPTA, Ramesh (BNL)

Session Classification: Session 2: Magnets for arcs and IRs

Contribution ID: 44

Type: **not specified**

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Thursday 14 October 2010 17:55 (15 minutes)

Session Classification: Session 2: Magnets for arcs and IRs