

EuCARD-2 XBEAM Strategy Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome to Valencia plus a few Remarks on Colliders and Future Accelerators

Monday 13 February 2017 09:00 (15 minutes)

Presenter: FAUS-GOLFE, Angeles (IFIC)

Session Classification: Extreme Colliders & Far-Future Concepts

Contribution ID: 2

Type: **not specified**

State of the Art of e+e- Colliders

Monday 13 February 2017 09:15 (30 minutes)

Presenter: BIAGINI, Maria Enrica

Session Classification: Extreme Colliders & Far-Future Concepts

Contribution ID: 3

Type: **not specified**

State of the Art of Hadron Colliders, Efficiency, and Advanced Ideas

Monday 13 February 2017 09:45 (30 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Extreme Colliders & Far-Future Concepts

Contribution ID: 4

Type: **not specified**

Far-Future Colliders, Crystals and Muons, Physics Challenges and Required R&D

Monday 13 February 2017 10:45 (30 minutes)

Presenter: SHILTSEV, Vladimir (Fermilab)

Session Classification: Extreme Colliders & Far-Future Concepts

Contribution ID: 5

Type: **not specified**

Muon-Collider R&D Activities in Italy, and a Novel Muon Production Scheme

Monday 13 February 2017 11:15 (30 minutes)

Presenter: BOSCOLO, Manuela (Istituto Nazionale Fisica Nucleare Frascati (IT))

Session Classification: Extreme Colliders & Far-Future Concepts

Contribution ID: 6

Type: **not specified**

Storage rings as antennas for Gravitational waves?

Monday 13 February 2017 11:45 (30 minutes)

Presenter: DAGNOLO, Raffaele Tito (Univ. of California San Diego (US))

Session Classification: Extreme Colliders & Far-Future Concepts

Contribution ID: 7

Type: **not specified**

Coffee Break

Monday 13 February 2017 10:15 (30 minutes)

Session Classification: Extreme Colliders & Far-Future Concepts

Contribution ID: 8

Type: **not specified**

State of the Art of Hadron Storage Rings, GSI FAIR Challenges, Limitations and Prospects

Monday 13 February 2017 14:00 (30 minutes)

Presenter: FRANCHETTI, Giuliano

Session Classification: Extreme Ring & Beam Quality Control in Hadron Storage Rings or Synchrotrons

Contribution ID: 9

Type: **not specified**

Space Charge and Electron Cloud in the CERN Storage Rings

Monday 13 February 2017 14:30 (30 minutes)

Presenter: RUMOLO, Giovanni (CERN)

Session Classification: Extreme Ring & Beam Quality Control in Hadron Storage Rings or Synchrotrons

Contribution ID: **10**

Type: **not specified**

Expected and Desired Optics Development for Colliders, Storage Rings, Linacs, Final-Focus Systems and Plasmas

Monday 13 February 2017 15:00 (30 minutes)

Presenter: TOMAS GARCIA, Rogelio (CERN)

Session Classification: Extreme Ring & Beam Quality Control in Hadron Storage Rings or Synchrotrons

Contribution ID: **11**

Type: **not specified**

Using Resonance Islands for Optimum Performance, and Advanced Commissioning Techniques

Monday 13 February 2017 15:30 (30 minutes)

Presenter: GIOVANNOZZI, Massimo (CERN)

Session Classification: Extreme Ring & Beam Quality Control in Hadron Storage Rings or Synchrotrons

Contribution ID: 12

Type: **not specified**

New Uses of Electron Lenses: for Collimation, SC Compensation and Landau Damping + Need of R&D

Monday 13 February 2017 16:00 (30 minutes)

Presenter: SHILTSEV, Vladimir (Fermilab)

Session Classification: Extreme Ring & Beam Quality Control in Hadron Storage Rings or Synchrotrons

Contribution ID: 13

Type: **not specified**

Extreme SC Proton Linacs: Issues, Strategy and Prospects

Tuesday 14 February 2017 09:00 (40 minutes)

Presenter: ESHRAQI, Mohammad (ESS - European Spallation Source (SE))

Session Classification: Extreme SC linacs & ERLs –Strategy, Instrumentation & Beam Quality Control

Contribution ID: 14

Type: **not specified**

Beam Instrumentation at High Power Proton Linacs

Tuesday 14 February 2017 09:40 (40 minutes)

Presenter: JANSSON, Andreas (Unknown)

Session Classification: Extreme SC linacs & ERLs –Strategy, Instrumentation & Beam Quality Control

Contribution ID: **15**

Type: **not specified**

Coffee Break

Tuesday 14 February 2017 10:20 (30 minutes)

Session Classification: Extreme SC linacs & ERLs –Strategy, Instrumentation & Beam Quality Control

Contribution ID: 16

Type: **not specified**

State of the Art and Expected/Desirable Evolution of Energy Recovery Linacs

Tuesday 14 February 2017 10:50 (40 minutes)

Presenter: HUG, Florian (TU Darmstadt)

Session Classification: Extreme SC linacs & ERLs –Strategy, Instrumentation & Beam Quality Control

Contribution ID: 17

Type: **not specified**

Polarization and Electric Dipole Moments –The Grand Picture

Tuesday 14 February 2017 14:00 (40 minutes)

Presenter: AULENBACHER, Kurt (Institut für Kernphysik, Universität Mainz)

Session Classification: Extreme Polarization & Beam Stabilization

Contribution ID: **18**

Type: **not specified**

A Brief Survey of Beam Instabilities at the LHC

Tuesday 14 February 2017 14:40 (30 minutes)

Presenter: RUMOLO, Giovanni (CERN)

Session Classification: Extreme Polarization & Beam Stabilization

Contribution ID: **19**

Type: **not specified**

Impedance Mitigation Schemes and Beam Feedbacks –State of the Art and Trends

Tuesday 14 February 2017 15:10 (40 minutes)

Presenters: DRAGO, Alessandro (INFN); DRAGO, Alessandro

Session Classification: Extreme Polarization & Beam Stabilization

Contribution ID: 20

Type: **not specified**

Costs of Large Future Facilities and Preemptive Measures

Wednesday 15 February 2017 14:30 (40 minutes)

Presenter: SHILTSEV, Vladimir (Fermilab)

Session Classification: Accelerator Cost, Reliability and Availability

Contribution ID: 21

Type: **not specified**

Reliability and Availability of Particle Accelerators: Concepts, Lessons, Strategy

Wednesday 15 February 2017 15:40 (40 minutes)

Presenter: APOLLONIO, Andrea (CERN)

Session Classification: Accelerator Cost, Reliability and Availability

Contribution ID: 22

Type: **not specified**

Coffee Break

Wednesday 15 February 2017 15:10 (30 minutes)

Session Classification: Accelerator Cost, Reliability and Availability

Contribution ID: 23

Type: **not specified**

Reliability and Availability for BEPC-II, SSRF and CI-ADS

Wednesday 15 February 2017 20:00 (30 minutes)

Presenters: QIN, Qing (IHEP); QIN, Qing (Institute of High Energy Physics, Chinese Academy of Sciences)

Session Classification: Accelerator Reliability and Availability - Part 2

Contribution ID: 24

Type: **not specified**

Strategy for Future Extreme Beam Facilities

Friday 17 February 2017 09:00 (1 hour)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Close Out

Contribution ID: 25

Type: **not specified**

Coffee Break

Friday 17 February 2017 10:00 (30 minutes)

Session Classification: Close Out

Contribution ID: 26

Type: **not specified**

Roadmap for ARIES APEC

Friday 17 February 2017 10:30 (1 hour)

Presenter: FRANCHETTI, Giuliano

Session Classification: Close Out

Contribution ID: 27

Type: **not specified**

Tevatron Lessons: Machine Availability and Reliability

Wednesday 15 February 2017 16:20 (20 minutes)

Presenter: SHILTSEV, Vladimir (Fermilab)

Session Classification: Accelerator Cost, Reliability and Availability

Contribution ID: **28**

Type: **not specified**

Plan for ARIES WP6.3

Wednesday 15 February 2017 17:10 (20 minutes)

Presenters: ZIMMERMANN, Frank (CERN); FRANCHETTI, Giuliano

Session Classification: Accelerator Cost, Reliability and Availability

Contribution ID: 29

Type: **not specified**

Availability & Reliability at Linear Colliders- Historical Studies

Wednesday 15 February 2017 16:40 (20 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Accelerator Cost, Reliability and Availability

Contribution ID: **30**

Type: **not specified**

Electricity and Operation Cost

Wednesday 15 February 2017 17:00 (10 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Accelerator Cost, Reliability and Availability