

# Advanced School on Accelerator Optimization



## Report of Contributions

Contribution ID: 0

Type: **not specified**

## **Admin / Logistics oPAC**

*Monday 7 July 2014 08:30 (30 minutes)*

**Presenter:** GALAN, Rita

Contribution ID: 1

Type: **not specified**

## Welcome / Introduction

*Monday 7 July 2014 09:00 (30 minutes)*

**Presenters:** HOGG, Paul (Vice Principal and Dean of Science); KARATAEV, Pavel (Royal Holloway, University of London)

Contribution ID: 2

Type: **not specified**

## History of Particle Accelerators

*Monday 7 July 2014 09:30 (1 hour)*

**Presenter:** BRYANT, Philip (CERN)

Contribution ID: 3

Type: **not specified**

## **Beam Dynamics, recap**

*Monday 7 July 2014 11:00 (1 hour)*

**Presenter:** WELSCH, Carsten (Cockcroft Institute / University of Liverpool)

Contribution ID: 4

Type: **not specified**

## Particle beam characterization

*Monday 7 July 2014 12:00 (1 hour)*

**Presenter:** KARATAEV, Pavel (Royal Holloway, University of London)

Contribution ID: 5

Type: **not specified**

## Sourcery

*Monday 7 July 2014 14:30 (1 hour)*

**Presenter:** POZIMSKI, Juergen (Imperial College London)

Contribution ID: 6

Type: **not specified**

## **Accelerator Magnets**

*Monday 7 July 2014 15:30 (1 hour)*

**Presenter:** MARKS, Neil (STFC)



Contribution ID: 7

Type: **not specified**

## Lattice Design

*Tuesday 8 July 2014 08:30 (1 hour)*

**Presenter:** HOLZER, Bernhard (CERN)

Contribution ID: 8

Type: **not specified**

## **Beam Profile Measurements (basics, high intensity beams, cryo, high energy)**

*Tuesday 8 July 2014 09:30 (1 hour)*

**Presenter:** BRAVIN, Enrico (CERN)

Contribution ID: 9

Type: **not specified**

## **Beam Position Measurements (also industry aspects)**

*Tuesday 8 July 2014 11:00 (1 hour)*

**Presenter:** BOOGERT, Stewart (Royal Holloway, University of London)

Contribution ID: **10**

Type: **not specified**

## **High(er) accelerating gradients**

*Tuesday 8 July 2014 12:00 (1 hour)*

**Presenter:** WHEELHOUSE, Alan

Contribution ID: 11

Type: **not specified**

## Beam Loss Monitoring

*Tuesday 8 July 2014 17:00 (1 hour)*

**Presenter:** NEBOT DEL BUSTO, Eduardo (University of Liverpool (GB))

Contribution ID: 12

Type: **not specified**

## Beam Cooling Techniques

*Wednesday 9 July 2014 08:30 (1 hour)*

**Presenter:** MESHKOV, Igor (Joint Institute for Nuclear Research (JINR))

Contribution ID: 13

Type: **not specified**

## **Beam Loss Monitoring - detectors**

*Wednesday 9 July 2014 09:30 (1 hour)*

**Presenter:** VINOGRADOV, Sergey (ULIV)

Contribution ID: 14

Type: **not specified**

## Particle Tracking Codes

*Wednesday 9 July 2014 11:00 (1 hour)*

**Presenter:** NEWTON, David (Liverpool University)



Contribution ID: 15

Type: **not specified**

## **3rd generation Light source**

*Wednesday 9 July 2014 12:00 (1 hour)*

**Presenter:** PEREZ, Francis (ALBA Synchrotron)

Contribution ID: 16

Type: **not specified**

## **Outreach seminar for general public and local media: Higgs**

*Tuesday 8 July 2014 18:25 (1h 30m)*

**Presenter:** BURROWS, Phil

Contribution ID: 17

Type: **not specified**

## Next generation Light Sources

*Wednesday 9 July 2014 14:30 (1 hour)*

**Presenter:** CLARKE, Jim (STFC)

Contribution ID: **18**

Type: **not specified**

## **LHC Optimization**

*Thursday 10 July 2014 08:30 (1 hour)*

**Presenter:** TOMAS GARCIA, Rogelio (CERN)

Contribution ID: **19**

Type: **not specified**

# Numerical Optimization of Particle Accelerators

*Thursday 10 July 2014 09:30 (30 minutes)*

**Presenter:** BOINE-FRANKENHEIM, Oliver (GSI, Darmstadt, Germany)

Contribution ID: 20

Type: **not specified**

## **Accelerator Control Systems**

*Thursday 10 July 2014 10:00 (30 minutes)*

**Presenter:** PLESKO, Mark (C)

Contribution ID: 21

Type: **not specified**

## **Seminar: Roads into the anti-world**

*Thursday 10 July 2014 17:00 (1 hour)*

**Presenter:** DOSER, Michael (CERN)

Contribution ID: 22

Type: **not specified**

## Compact AMS Systems

*Friday 11 July 2014 09:30 (1 hour)*

**Presenter:** LOPEZ, Jose Maria



Contribution ID: 23

Type: **not specified**

## **The European Spallation Source – The first ‘green’ accelerator**

*Friday 11 July 2014 11:00 (1 hour)*

**Presenter:** JANSSON, Andreas (ESS)

Contribution ID: 24

Type: **not specified**

## **Future Accelerators / School Conclusion**

*Friday 11 July 2014 12:00 (1 hour)*

**Presenter:** ZIMMERMANN, Frank (CERN)