

Space Charge Collaboration Meeting 2014



Report of Contributions

Contribution ID: 7

Type: **not specified**

welcome

Contribution ID: 8

Type: **not specified**

PTC_py-ORBIT - Release & Benchmarking

Contribution ID: 11

Type: **not specified**

Synergia-Release & Benchmarking

Tuesday, 20 May 2014 13:30 (30 minutes)

Presenter: AMUNDSON, J

Session Classification: Codes

Contribution ID: 14

Type: **not specified**

PSB Experiments, 6D Tune evolution with SC

Tuesday, 20 May 2014 14:00 (30 minutes)

Presenter: FORTE, Vincenzo

Session Classification: Experiments I

Contribution ID: 15

Type: **not specified**

PS Experiment - Analysis with Impact & MADX-SC

Tuesday, 20 May 2014 14:30 (30 minutes)

Presenter: WASEF, Raymond (Institut National Polytechnique de Grenoble (FR))

Session Classification: Experiments I

Contribution ID: 16

Type: **not specified**

Indirect space charge induced injection oscillation in the PS

Tuesday, 20 May 2014 15:00 (30 minutes)

Presenter: HUSCHAUER, Alexander (Vienna University of Technology (AT))

Session Classification: Experiments I

Contribution ID: **18**

Type: **not specified**

Conclusions Codes & Experiments

Tuesday, 20 May 2014 16:50 (40 minutes)

Presenter: ROUND TABLE

Session Classification: Discussion I

Contribution ID: 27

Type: **not specified**

PSB - Study with high Intensity Beams

Tuesday, 20 May 2014 15:30 (30 minutes)

Presenter: KOWALSKA, Magdalena Anna (Warsaw University of Technology (PL))

Session Classification: Experiments I

Contribution ID: 29

Type: **not specified**

Space Charge Solver in pyORBIT compared to those in PATRIC and Madx

Tuesday, 20 May 2014 16:20 (30 minutes)

Presenter: APPEL, Sabrina (GSI)

Session Classification: Discussion I

Contribution ID: **32**

Type: **not specified**

Welcome Adress

Tuesday, 20 May 2014 08:00 (10 minutes)

Presenter: GAROBY, Roland (CERN)

Session Classification: Introduction

Contribution ID: 33

Type: **not specified**

Purpose of the meeting

Tuesday, 20 May 2014 08:10 (20 minutes)

Presenter: SCHMIDT, Frank (CERN)

Session Classification: Introduction

Contribution ID: **34**

Type: **not specified**

PSB

Tuesday, 20 May 2014 08:30 (15 minutes)

Presenter: BENEDETTO, Elena (CERN)

Session Classification: Projects

Contribution ID: 35

Type: **not specified**

Reviewn of the understanding of PIC noise

Wednesday, 21 May 2014 09:00 (30 minutes)

Presenter: STRUCKMEIER, Jürgen

Session Classification: Noise I

Contribution ID: 36

Type: **not specified**

Artificial collisions and scaling laws for emittance growth in computer simulations of intense beams

Wednesday, 21 May 2014 09:30 (30 minutes)

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

Session Classification: Noise I

Contribution ID: 37

Type: **not specified**

Noise Analysis in very long Lines & FMM in ORBIT for Mitigation

Wednesday, 21 May 2014 10:30 (30 minutes)

Presenter: HOLMES, Jeffrey A (O)

Session Classification: Noise II

Contribution ID: **38**

Type: **not specified**

PS

Tuesday, 20 May 2014 08:45 (15 minutes)

Presenter: Dr GILARDONI, Simone (CERN)

Session Classification: Projects

Contribution ID: **39**

Type: **not specified**

SPS

Tuesday, 20 May 2014 09:00 (15 minutes)

Presenter: BARTOSIK, Hannes (CERN)

Session Classification: Projects

Contribution ID: 40

Type: **not specified**

Mixing of Particles due to Noise in Synergia

Wednesday, 21 May 2014 11:00 (30 minutes)

Presenter: AMUNDSON, James

Session Classification: Noise II

Contribution ID: 41

Type: **not specified**

Numerical Model and Scaling Law of PIC Noise

Wednesday, 21 May 2014 11:30 (30 minutes)

Presenter: KESTING, Frederik

Session Classification: Noise II

Contribution ID: 42

Type: **not specified**

Leir

Tuesday, 20 May 2014 09:15 (15 minutes)

Presenter: BODENDORFER, Michael Andreas (CERN)

Session Classification: Projects

Contribution ID: 43

Type: **not specified**

Elena

Tuesday, 20 May 2014 09:30 (15 minutes)

Presenter: CARLI, Christian (CERN)

Session Classification: Projects

Contribution ID: 45

Type: **not specified**

SC Simulations for 4th order Resonance

Wednesday, 21 May 2014 14:30 (30 minutes)

Presenter: MACHIDA, Shinji (STFC/RAL)

Session Classification: Experiments II

Contribution ID: 46

Type: **not specified**

Recent Results for RHIC with frozen SC & BB (MADX-SC)

Wednesday, 21 May 2014 15:00 (30 minutes)

Presenter: MONTAG, Christoph (BNL)

Session Classification: Experiments II

Contribution ID: 47

Type: **not specified**

PTC_py-ORBIT - Release & Benchmarking

Tuesday, 20 May 2014 10:15 (30 minutes)

Presenter: HOLMES, Jeffrey A

Session Classification: Codes

Contribution ID: 48

Type: **not specified**

PS Experiment - Micromap Analysis

Wednesday, 21 May 2014 15:30 (30 minutes)

Presenter: FRANCHETTI, Giuliano (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Session Classification: Experiments II

Contribution ID: 49

Type: **not specified**

Impact - Benchmarking

Tuesday, 20 May 2014 10:45 (30 minutes)

Presenter: QIANG, Ji (Lawrence Berkeley National Laboratory)

Session Classification: Codes

Contribution ID: 50

Type: **not specified**

Frozen SC Model in MADX-SC- Developments

Tuesday, 20 May 2014 11:15 (30 minutes)

Presenter: KAPIN, Valery (Unknown)

Session Classification: Codes

Contribution ID: 51

Type: **not specified**

Hollow Bunch for potential SC Mitigation

Wednesday, 21 May 2014 16:30 (30 minutes)

Presenter: OEFTIGER, Adrian (Ecole Polytechnique Federale de Lausanne (CH))

Session Classification: Discussion II

Contribution ID: 52

Type: **not specified**

Conclusions Noise & Future Work

Wednesday, 21 May 2014 17:00 (1h 30m)

Session Classification: Discussion II

Contribution ID: 53

Type: **not specified**

Grid noise and entropy growth in 3D PIC simulation

Wednesday, 21 May 2014 14:00 (30 minutes)

Presenter: HOFMANN, Ingo (GSI Darmstadt)

Session Classification: Noise II