

Advanced QED methods for future accelerators

Report of Contributions

Contribution ID: 0

Type: **not specified**

Guinea-Pig++ Update

Wednesday, 4 March 2009 09:00 (30 minutes)

Primary author: Dr RIMBAULT, Cecile (LAL)

Presenter: Dr RIMBAULT, Cecile (LAL)

Session Classification: Session 3: Simulation of IFQED processes in colliders

Contribution ID: 1

Type: **not specified**

Workshop welcome and Overview

Tuesday, 3 March 2009 11:00 (45 minutes)

Primary author: Prof. DAINTON, John

Presenter: Prof. DAINTON, John

Session Classification: Introduction

Contribution ID: 2

Type: **not specified**

Scope of the Workshop

Tuesday, 3 March 2009 11:45 (30 minutes)

Primary author: Dr BAILEY, Ian (Cockcroft Institute/ University of Liverpool)

Presenter: Dr BAILEY, Ian (Cockcroft Institute/ University of Liverpool)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

Recent development of operator quasiclassical method

Tuesday, 3 March 2009 14:30 (1 hour)

Primary author: Prof. BAIER, Vladimir (Institute of Nuclear Physics, Novosibirsk)

Presenter: Prof. BAIER, Vladimir (Institute of Nuclear Physics, Novosibirsk)

Session Classification: Session 1: Intense Field QED (IFQED) methods

Contribution ID: 4

Type: **not specified**

The method of Nikishov and Ritus

Tuesday, 3 March 2009 15:30 (30 minutes)

Primary author: Dr HARTIN, Anthony (DESY)

Presenter: Dr HARTIN, Anthony (DESY)

Session Classification: Session 1: Intense Field QED (IFQED) methods

Contribution ID: 5

Type: **not specified**

The Furry Representation

Tuesday, 3 March 2009 12:15 (45 minutes)

Primary author: MOORTGAT-PICK, Gudrid (Unknown)

Presenter: MOORTGAT-PICK, Gudrid (Unknown)

Session Classification: Introduction

Contribution ID: 7

Type: **not specified**

Workshop Summary

Wednesday, 4 March 2009 15:30 (30 minutes)

Presenter: Dr HESSELBACH, Stefan (IPPP, Durham University)

Session Classification: Discussion and Summary

Contribution ID: 8

Type: **not specified**

Vacuum polarization effects in intense laser fields

Tuesday, 3 March 2009 16:20 (35 minutes)

Primary author: Dr DI PIAZZA, Antonino

Presenter: Dr DI PIAZZA, Antonino

Session Classification: Session 2: IFQED calculations

Contribution ID: 9

Type: **not specified**

Compton Scattering at High Intensities

Tuesday, 3 March 2009 16:55 (35 minutes)

Presenter: Dr HEINZL, Tom

Session Classification: Session 2: IFQED calculations

Contribution ID: 12

Type: **not specified**

IFQED processes in CAIN

Wednesday, 4 March 2009 10:00 (30 minutes)

Presenter: HARTIN, Anthony (DESY)

Session Classification: Session 3: Simulation of IFQED processes in colliders

Contribution ID: 13

Type: **not specified**

Strong fields and recycled accelerator parts as a laboratory for fundamental physics

Wednesday, 4 March 2009 11:00 (30 minutes)

Presenter: Dr JAECKEL, Joerg (IPPP Durham)

Session Classification: Session 4: IFQED Applications

Contribution ID: 14

Type: **not specified**

Lepton pair creation in strong laser fields

Wednesday, 4 March 2009 11:30 (30 minutes)

Presenter: Dr HATSAGORTSYAN, Karen

Session Classification: Session 4: IFQED Applications

Contribution ID: 15

Type: **not specified**

Experiments on strong field QED in crystals

Wednesday, 4 March 2009 12:00 (30 minutes)

Presenter: Dr UGGERHOEJ, Ulrik

Session Classification: Session 4: IFQED Applications

Contribution ID: 16

Type: **not specified**

Geometric and Ultrarelativistic methods for accelerator physics

Wednesday, 4 March 2009 12:30 (30 minutes)

Primary author: Dr GRATUS, Jonathon

Presenter: Dr GRATUS, Jonathon

Session Classification: Session 4: IFQED Applications