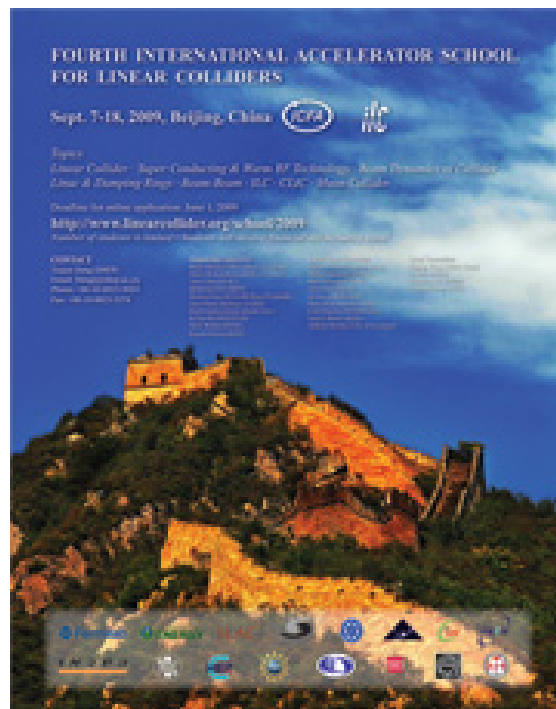


Fourth International Accelerator School for Linear Colliders



Report of Contributions

Contribution ID: 0

Type: **not specified**

Opening Remarks

Tuesday, 8 September 2009 09:00 (30 minutes)

Presenter: CHEN, Hesheng (IHEP)

Contribution ID: 5

Type: **not specified**

Lecture I1 –Introduction

Tuesday, 8 September 2009 09:30 (3 hours)

- Tera scale physics
- ILC and LHC
- Layout of the ILC
- Parameter choices & optimization
- Other possible future lepton colliders: CLIC and the muon collider
- Detectors

Presenter: Dr BARISH, Barry (GDE)

Contribution ID: 6

Type: **not specified**

Lecture I2 –ILC

Tuesday, 8 September 2009 14:00 (3h 30m)

- e- and e+ sources
- Bunch compressors and spin rotators
- Damping rings
- Main linac
- Beam delivery system
- Civil construction issues

Presenter: Dr BARISH, Barry (GDE)

Contribution ID: 7

Type: **not specified**

Lecture I3 –CLIC

Wednesday, 9 September 2009 09:00 (3h 30m)

- Klystron vs. beam driven acceleration
- CLIC layout
- Parameter choices & optimization
- Driver beam stability
- Comparison of the CLIC and ILC
- Technical challenges

Presenter: TECKER, Frank (CERN)

Contribution ID: 8

Type: **not specified**

Lecture I4 – Muon collider

Wednesday, 9 September 2009 14:00 (3h 30m)

- Muon collider basics
- Machine layout
- Major sub-systems
- Challenges

Presenter: Dr PALMER, Robert B (BNL)

Contribution ID: 9

Type: **not specified**

Joint lecture of Courses A & B:

Thursday, 10 September 2009 09:00 (3h 30m)

Linac Basics

Presenter: SCHULTE, Daniel (CERN)

Contribution ID: **10**

Type: **not specified**

Course A: Accelerator physics Lecture A1 –Linac

Presenter: SCHULTE, Daniel (CERN)

Contribution ID: 11

Type: **not specified**

Course B: RF technology Lecture B1 –Room temperature RF

Presenter: TANTAWI, Sami (SLAC)

Contribution ID: **13**

Type: **not specified**

Excursion

Saturday, 12 September 2009 08:00 (20 minutes)

Contribution ID: 14

Type: **not specified**

Final Exam

Friday, 18 September 2009 08:00 (4h 30m)

Contribution ID: 15

Type: **not specified**

Accelerator physics Lecture A1 –Linac

Thursday, 10 September 2009 14:00 (3h 30m)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Course A

Contribution ID: **16**

Type: **not specified**

Accelerator physics Lecture A1 –Linac

Friday, 11 September 2009 09:00 (3h 30m)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Course A

Contribution ID: 17

Type: **not specified**

Accelerator physics Lecture A1 –Linac

Friday, 11 September 2009 14:00 (3h 30m)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Course A

Contribution ID: **18**

Type: **not specified**

Accelerator physics Lecture A2 –Sources

Sunday, 13 September 2009 09:00 (3h 30m)

Presenter: Dr KURIKI, Masao (KEK)

Session Classification: Course A

Contribution ID: 19

Type: **not specified**

Accelerator physics Lecture A2 –Sources

Sunday, 13 September 2009 14:00 (3h 30m)

Presenter: Dr KURIKI, Masao (KEK)

Session Classification: Course A

Contribution ID: 20

Type: **not specified**

Accelerator physics Lecture A3 – Beam delivery system and beam-beam

Monday, 14 September 2009 09:00 (3h 30m)

Presenter: Dr NAPOLY, Olivier (CEA)

Session Classification: Course A

Contribution ID: 21

Type: **not specified**

Accelerator physics Lecture A3 – Beam delivery system and beam-beam

Monday, 14 September 2009 14:00 (3h 30m)

Presenter: Dr NAPOLY, Olivier (CEA)

Session Classification: Course A

Contribution ID: 22

Type: **not specified**

Accelerator physics Lecture A4 – Damping rings

Tuesday, 15 September 2009 09:00 (3h 30m)

Presenter: Dr WOLSKI, Andrzej (Cockcroft Institute and University of Liverpool)

Session Classification: Course A

Contribution ID: 23

Type: **not specified**

Accelerator physics Lecture A4 – Damping rings

Presenter: Dr WOLSKI, Andrzej (Cockcroft Institute and University of Liverpool)

Contribution ID: 24

Type: **not specified**

IHEP Site Visit

Contribution ID: 25

Type: **not specified**

IHEP Site Visit

Tuesday, 15 September 2009 12:30 (3h 30m)

Contribution ID: 26

Type: **not specified**

Accelerator physics Lecture A4 – Damping rings

Wednesday, 16 September 2009 09:00 (3h 30m)

Presenter: Dr WOLSKI, Andrzej (Cockcroft Institute and University of Liverpool)

Session Classification: Course A

Contribution ID: 27

Type: **not specified**

Accelerator physics Lecture A4 – Damping rings

Wednesday, 16 September 2009 14:00 (3h 30m)

Presenter: Dr WOLSKI, Andrzej (Cockcroft Institute and University of Liverpool)

Session Classification: Course A

Contribution ID: 28

Type: **not specified**

Accelerator physics Lecture A4 – Damping rings

Thursday, 17 September 2009 09:00 (3h 30m)

Presenter: Dr WOLSKI, Andrzej (Cockcroft Institute and University of Liverpool)

Session Classification: Course A

Contribution ID: 29

Type: **not specified**

Study Time

Thursday, 17 September 2009 14:30 (3h 30m)

Contribution ID: **30**

Type: **not specified**

RF technology Lecture B1 –Room temperature RF

Thursday, 10 September 2009 14:00 (3h 30m)

Presenter: Prof. TANTAWI, Sami (SLAC)

Session Classification: Course B

Contribution ID: **31**

Type: **not specified**

RF technology Lecture B1 –Room temperature RF

Friday, 11 September 2009 09:00 (3h 30m)

Presenter: Prof. TANTAWI, Sami (SLAC)

Session Classification: Course B

Contribution ID: **32**

Type: **not specified**

RF technology Lecture B1 –Room temperature RF

Friday, 11 September 2009 14:00 (3h 30m)

Presenter: Prof. TANTAWI, Sami (SLAC)

Session Classification: Course B

Contribution ID: **33**

Type: **not specified**

RF technology Lecture B1 –Room temperature RF

Presenter: Prof. TANTAWI, Sami (SLAC)

Contribution ID: **34**

Type: **not specified**

RF technology Lecture B1 –Room temperature RF

Sunday, 13 September 2009 09:00 (3h 30m)

Presenter: Prof. TANTAWI, Sami (SLAC)

Session Classification: Course B

Contribution ID: 35

Type: **not specified**

RF technology Lecture B2 –Superconducting RF

Sunday, 13 September 2009 14:00 (3h 30m)

Presenter: Dr SAITO, Kenji (KEK)

Session Classification: Course B

Contribution ID: **36**

Type: **not specified**

RF technology Lecture B2 –Superconducting RF

Monday, 14 September 2009 09:00 (3h 30m)

Presenter: Dr SAITO, Kenji (KEK)

Session Classification: Course B

Contribution ID: 37

Type: **not specified**

RF technology Lecture B2 –Superconducting RF

Monday, 14 September 2009 14:00 (3h 30m)

Presenter: Dr SAITO, Kenji (KEK)

Session Classification: Course B

Contribution ID: **38**

Type: **not specified**

RF technology Lecture B2 –Superconducting RF

Tuesday, 15 September 2009 09:00 (3h 30m)

Presenter: Dr SAITO, Kenji (KEK)

Session Classification: Course B

Contribution ID: 39

Type: **not specified**

RF technology Lecture B3 –LLRF & high power RF

Wednesday, 16 September 2009 09:00 (3h 30m)

Presenter: Dr SIMROCK, Stefan (DESY)

Session Classification: Course B

Contribution ID: 40

Type: **not specified**

RF technology Lecture B3 –LLRF & high power RF

Wednesday, 16 September 2009 14:00 (3h 30m)

Presenter: Dr SIMROCK, Stefan (DESY)

Session Classification: Course B

Contribution ID: 41

Type: **not specified**

RF technology Lecture B3 –LLRF & high power RF

Thursday, 17 September 2009 09:00 (3h 30m)

Presenter: Dr SIMROCK, Stefan (DESY)

Session Classification: Course B

Contribution ID: 42

Type: **not specified**

Banquet and Student Awards

Friday, 18 September 2009 19:00 (3 hours)