

# **Eighth International Accelerator School for Linear Colliders**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Lecture I1 - Introduction

*Thursday, 5 December 2013 09:30 (3 hours)*

- Tera scale physics
- Overview of future accelerators for Tera scale physics (ILC, CLIC, muon collider,  $\gamma\gamma$  collider, LHeC, TLEP, new acceleration technologies)

**Presenter:** Prof. KURIKI, Masao (Hiroshima Univ.)

Contribution ID: 1

Type: **not specified**

## Lecture I3 –CLIC

*Friday, 6 December 2013 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: 2

Type: **not specified**

## Lecture I2 –ILC

*Thursday, 5 December 2013 14:00 (3h 30m)*

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

**Presenter:** Prof. KURIKI, Masao (Hiroshima Univ.)

Contribution ID: 3

Type: **not specified**

## **Joint lecture AB1 –Linac basics**

*Friday, 6 December 2013 14:00 (3h 30m)*

**Presenter:** SCHULTE, Daniel (CERN)

Contribution ID: 4

Type: **not specified**

## **Joint lecture AB2 –Instrumentation basics**

*Saturday, 7 December 2013 09:00 (3h 30m)*

**Presenter:** SCHMICKLER, Hermann

Contribution ID: 5

Type: **not specified**

## **Course A: Accelerator physics Lecture A1 – Linac**

*Saturday, 7 December 2013 14:00 (3h 30m)*

**Presenter:** SCHULTE, Daniel (CERN)

Contribution ID: 6

Type: **not specified**

## **Course B: Accelerator technology Lecture B1 –Room temperature RF**

*Saturday, 7 December 2013 14:00 (3h 30m)*

**Presenter:** WUENSCH, Walter



Contribution ID: 7

Type: **not specified**

## **Course A: Accelerator physics Lecture A1 – Linac**

*Sunday, 8 December 2013 09:00 (3h 30m)*

**Presenter:** SCHULTE, Daniel (CERN)

Contribution ID: 8

Type: **not specified**

## **Course B: Accelerator technology Lecture B1 –Room temperature RF**

*Sunday, 8 December 2013 09:00 (3h 30m)*

**Presenter:** WUENSCH, Walter

Contribution ID: 9

Type: **not specified**

## **Course A: Accelerator physics Lecture A1 – Linac**

*Monday, 9 December 2013 09:00 (3h 30m)*

**Presenter:** SCHULTE, Daniel (CERN)

Contribution ID: **10**

Type: **not specified**

## **Course B: Accelerator technology Lecture B1 –Room temperature RF**

*Monday, 9 December 2013 09:00 (3h 30m)*

**Presenter:** WUENSCH, Walter

Contribution ID: 11

Type: **not specified**

## **Course A: Accelerator physics Lecture A2 –Sources**

*Monday, 9 December 2013 14:00 (3h 30m)*

**Presenter:** Dr KURIKI, Masao (KEK)

Contribution ID: 12

Type: **not specified**

## **Course B: Accelerator technology Lecture B2 – Superconducting RF**

*Monday, 9 December 2013 14:00 (3h 30m)*

**Presenter:** Dr SAEKI, Takayuki (KEK)

Contribution ID: 13

Type: **not specified**

## **Course A: Accelerator physics Lecture A3a – Damping rings**

*Tuesday, 10 December 2013 09:00 (3h 30m)*

**Presenter:** Dr PAPAPHILIPPOU, Yannis (CERN)

Contribution ID: 14

Type: **not specified**

## **Course B: Accelerator technology Lecture B1 – Room temperature RF**

*Tuesday, 10 December 2013 09:00 (3h 30m)*

**Presenter:** Dr WUENSCH, Walter (CERN)



Contribution ID: 15

Type: **not specified**

## Excursion

*Wednesday, 11 December 2013 14:00 (3h 30m)*

Contribution ID: 16

Type: **not specified**

## **Course A: Accelerator physics Lecture A2 –Sources**

*Tuesday, 10 December 2013 14:00 (3h 30m)*

**Presenter:** Dr KURIKI, Masao (KEK)

Contribution ID: 17

Type: **not specified**

## **Course B: Accelerator technology Lecture B2 – Superconducting RF**

*Tuesday, 10 December 2013 14:00 (3h 30m)*

**Presenter:** Dr SAEKI, Takayuki (KEK)

Contribution ID: **18**

Type: **not specified**

## **Course A: Accelerator physics Lecture A3a – Damping rings**

*Wednesday, 11 December 2013 09:00 (3h 30m)*

**Presenter:** Dr PAPAPHILIPPOU, Yannis (CERN)

Contribution ID: 19

Type: **not specified**

## **Course B: Accelerator technology Lecture B2 – Superconducting RF**

*Wednesday, 11 December 2013 09:00 (3h 30m)*

**Presenter:** Dr SAEKI, Takayuki (KEK)

Contribution ID: 20

Type: **not specified**

## **Course A: Accelerator physics Lecture A3a – Damping rings**

*Thursday, 12 December 2013 09:00 (3h 30m)*

**Presenter:** Dr PAPAPHILIPPOU, Yannis (CERN)

Contribution ID: 21

Type: **not specified**

## **Course B: Accelerator technology Lecture B2 – Superconducting RF**

*Thursday, 12 December 2013 14:00 (3h 30m)*

**Presenter:** Dr SAEKI, Takayuki (KEK)

Contribution ID: 22

Type: **not specified**

## **Course A: Accelerator physics Lecture A3a – Damping rings**

*Thursday, 12 December 2013 14:00 (3h 30m)*

**Presenter:** Dr PAPAPHILIPPOU, Yannis (CERN)



Contribution ID: 23

Type: **not specified**

## **Course B: Accelerator technology Lecture B3 – Instrumentation**

*Thursday, 12 December 2013 09:00 (3h 30m)*

**Presenter:** SCHMICKLER, Hermann

Contribution ID: 24

Type: **not specified**

## **Course A: Accelerator physics Lecture A3b – Ring colliders**

*Friday, 13 December 2013 09:00 (3h 30m)*

**Presenter:** Dr PAPAPHILIPPOU, Yannis (CERN)

Contribution ID: 25

Type: **not specified**

## **Course B: Accelerator technology Lecture B4 – LLRF & high power RF**

*Friday, 13 December 2013 09:00 (3h 30m)*

**Presenters:** Dr SIMROCK, Stefan (ITER); Dr GENG, Zheqiao (PSI)

Contribution ID: 26

Type: **not specified**

## **Course A: Accelerator physics Lecture A4 – Beam delivery system and beam-beam**

*Friday, 13 December 2013 14:00 (3h 30m)*

**Presenter:** Prof. SERYI, Andrei (John Adams Institute)

Contribution ID: 27

Type: **not specified**

## **Course B: Accelerator technology Lecture B4 –LLRF & high power RF**

*Friday, 13 December 2013 14:00 (3h 30m)*

**Presenters:** Dr SIMROCK, Stefan (ITER); Dr GENG, Zheqiao (PSI)

Contribution ID: 28

Type: **not specified**

## **Course A: Accelerator physics Lecture A4 – Beam delivery system and beam-beam**

*Saturday, 14 December 2013 09:00 (3h 30m)*

**Presenter:** Prof. SERYI, Andrei (John Adams Institute)

Contribution ID: 29

Type: **not specified**

## **Course B: Accelerator technology Lecture B4 – LLRF & high power RF**

*Saturday, 14 December 2013 09:00 (3h 30m)*

**Presenters:** Dr SIMROCK, Stefan (ITER); Dr GENG, Zheqiao (PSI)

Contribution ID: **30**

Type: **not specified**

## **Study time**

*Saturday, 14 December 2013 14:00 (3h 30m)*



Contribution ID: **31**

Type: **not specified**

## Final Exam

*Sunday, 15 December 2013 08:00 (4h 30m)*

Contribution ID: **32**

Type: **not specified**

## **Free time**

*Sunday, 15 December 2013 14:00 (3h 30m)*

Contribution ID: 33

Type: **not specified**

## **Tutorial & homework**

*Thursday, 5 December 2013 19:00 (3 hours)*

Contribution ID: **34**

Type: **not specified**

## **Tutorial & homework**

*Friday, 6 December 2013 19:00 (3 hours)*

Contribution ID: 35

Type: **not specified**

## **Tutorial & homework**

*Saturday, 7 December 2013 19:00 (3 hours)*

Contribution ID: **36**

Type: **not specified**

## **Tutorial & homework**

*Sunday, 8 December 2013 19:00 (3 hours)*

Contribution ID: 37

Type: **not specified**

## **Tutorial & homework**

*Monday, 9 December 2013 19:00 (3 hours)*

Contribution ID: **38**

Type: **not specified**

## **Tutorial & homework**

*Tuesday, 10 December 2013 19:00 (3 hours)*



Contribution ID: **39**

Type: **not specified**

## **Tutorial & homework**

*Wednesday, 11 December 2013 19:00 (3 hours)*

Contribution ID: **40**

Type: **not specified**

## **Tutorial & homework**

*Thursday, 12 December 2013 19:00 (3 hours)*

Contribution ID: 41

Type: **not specified**

## **Tutorial & homework**

*Friday, 13 December 2013 19:00 (3 hours)*

Contribution ID: 42

Type: **not specified**

## Study Time

*Saturday, 14 December 2013 19:00 (3 hours)*

Contribution ID: 43

Type: **not specified**

## **Banquet**

*Sunday, 15 December 2013 19:00 (3 hours)*