

# Sixth International Accelerator School for Linear Colliders



## Report of Contributions

Contribution ID: 2

Type: **not specified**

## I1 - Introduction

*Monday, 7 November 2011 09:00 (3h 30m)*

- 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)

**Session Classification:** Morning

Contribution ID: 3

Type: **not specified**

## I2 - ILC

*Monday, 7 November 2011 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)

**Session Classification:** Afternoon

Contribution ID: 4

Type: **not specified**

## I3 - CLIC

*Tuesday, 8 November 2011 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)

**Session Classification:** Morning

Contribution ID: 5

Type: **not specified**

## **I4 – Muon collider**

*Tuesday, 8 November 2011 14:00 (3h 30m)*

**Presenter:** Dr PALMER, Robert B (BNL)

**Session Classification:** Afternoon

Contribution ID: 6

Type: **not specified**

## **Joint lecture of Courses A & B: Linac basics**

*Wednesday, 9 November 2011 09:00 (3h 30m)*

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

**Session Classification:** Morning

Contribution ID: 7

Type: **not specified**

## **Joint lecture of Courses A & B: Beam instrumentation**

*Wednesday, 9 November 2011 14:00 (3h 30m)*

**Presenter:** SCHMICKLER, Hermann

**Session Classification:** Afternoon

Contribution ID: 8

Type: **not specified**

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

*Thursday, 10 November 2011 09:00 (3h 30m)*

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

**Session Classification:** Morning



Contribution ID: 9

Type: **not specified**

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

*Thursday, 10 November 2011 09:00 (3h 30m)*

**Presenter:** WUENSCH, Walter

**Session Classification:** Morning

Contribution ID: **10**

Type: **not specified**

## **SITE VISIT TO SLAC**

*Thursday, 10 November 2011 14:30 (3h 30m)*

**Session Classification:** Afternoon

Contribution ID: 11

Type: **not specified**

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

*Friday, 11 November 2011 09:00 (3h 30m)*

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

**Session Classification:** Morning

Contribution ID: 12

Type: **not specified**

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

*Friday, 11 November 2011 09:00 (3h 30m)*

**Presenter:** WUENSCH, Walter

**Session Classification:** Morning

Contribution ID: 13

Type: **not specified**

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

*Friday, 11 November 2011 14:00 (3h 30m)*

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

**Session Classification:** Afternoon

Contribution ID: 14

Type: **not specified**

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

*Friday, 11 November 2011 14:00 (3h 30m)*

**Presenter:** WUENSCH, Walter

**Session Classification:** Afternoon

Contribution ID: 15

Type: **not specified**

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

*Saturday, 12 November 2011 09:00 (3h 30m)*

**Presenter:** Dr SHEPPARD, John (SLAC)

**Session Classification:** Morning

Contribution ID: 16

Type: **not specified**

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

*Saturday, 12 November 2011 09:00 (3h 30m)*

**Presenter:** WUENSCH, Walter

**Session Classification:** Morning



Contribution ID: 17

Type: **not specified**

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

*Saturday, 12 November 2011 14:00 (3h 30m)*

**Presenter:** Dr SHEPPARD, John (SLAC)

**Session Classification:** Afternoon

Contribution ID: **18**

Type: **not specified**

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

*Saturday, 12 November 2011 14:00 (3h 30m)*

**Presenter:** NOGUCHI, Schuichi (KEK)

**Session Classification:** Afternoon

Contribution ID: 19

Type: **not specified**

## **Course A: Accelerator physics Lecture A3 –Damping rings**

*Sunday, 13 November 2011 09:00 (3h 30m)*

**Presenter:** CAI, Yunhai (SLAC)

**Session Classification:** Morning

Contribution ID: **20**

Type: **not specified**

## Excursion

Contribution ID: 21

Type: **not specified**

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

*Sunday, 13 November 2011 09:00 (3h 30m)*

**Presenter:** NOGUCHI, Shuichi (KEK)

**Session Classification:** Morning

Contribution ID: 22

Type: **not specified**

## Excursion

*Sunday, 13 November 2011 14:00 (3h 30m)*

**Session Classification:** Afternoon

Contribution ID: 23

Type: **not specified**

## **Course A: Accelerator physics Lecture A3 –Damping rings**

*Monday, 14 November 2011 09:00 (3h 30m)*

**Presenter:** CAI, Yunhai (SLAC)

**Session Classification:** Morning

Contribution ID: 24

Type: **not specified**

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

*Monday, 14 November 2011 09:00 (3h 30m)*

**Presenter:** NOGUCHI, Shuichi (KEK)

**Session Classification:** Morning



Contribution ID: 25

Type: **not specified**

## **Course A: Accelerator physics Lecture A3 –Damping rings**

*Monday, 14 November 2011 14:00 (3h 30m)*

**Presenter:** CAI, Yunhai (SLAC)

**Session Classification:** Afternoon

Contribution ID: 26

Type: **not specified**

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

*Monday, 14 November 2011 14:00 (3h 30m)*

**Presenter:** Dr NOGUCHI, Shuichi (KEK)

**Session Classification:** Afternoon

Contribution ID: 27

Type: **not specified**

## **Course A: Accelerator physics Lecture A3 –Damping rings**

*Tuesday, 15 November 2011 09:00 (3h 30m)*

**Presenter:** CAI, Yunhai (SLAC)

**Session Classification:** Morning

Contribution ID: 28

Type: **not specified**

## **Course B: RF technology Lecture B3 –LLRF & high power RF**

*Tuesday, 15 November 2011 09:00 (3h 30m)*

**Presenter:** Dr SIMROCK, Stefan (DESY)

**Session Classification:** Morning

Contribution ID: 29

Type: **not specified**

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

*Tuesday, 15 November 2011 14:00 (3h 30m)*

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

**Session Classification:** Afternoon

Contribution ID: **30**

Type: **not specified**

## **Course B: RF technology Lecture B3 –LLRF & high power RF**

*Tuesday, 15 November 2011 14:00 (3h 30m)*

**Presenter:** Dr SIMROCK, Stefan (DESY)

**Session Classification:** Afternoon

Contribution ID: 31

Type: **not specified**

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

*Wednesday, 16 November 2011 09:00 (3h 30m)*

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

**Session Classification:** Morning

Contribution ID: 32

Type: **not specified**

## **Course B: RF technology Lecture B3 –LLRF & high power RF**

*Wednesday, 16 November 2011 09:00 (3h 30m)*

**Presenter:** Dr SIMROCK, Stefan (DESY)

**Session Classification:** Morning



Contribution ID: **33**

Type: **not specified**

## **Study**

*Wednesday, 16 November 2011 14:00 (3h 30m)*

**Session Classification:** Afternoon

Contribution ID: **34**

Type: **not specified**

## **Final Exam**

*Thursday, 17 November 2011 09:00 (3h 30m)*

**Session Classification:** Morning