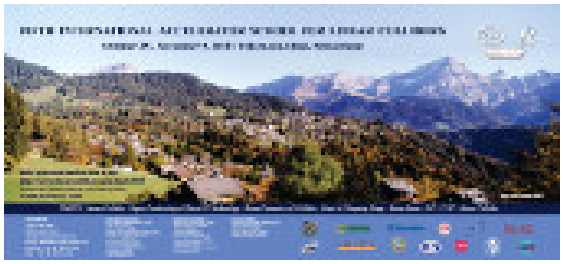
Fifth International Accelerator School for Linear Colliders



Report of Contributions

https://agenda.linearcollider.org/e/lcschool2010

Contribution ID: **0** Type: **not specified**

Lecture I1 –Introduction

Tuesday, 26 October 2010 16:30 (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: Prof. BARISH, Barry (GDE)

Contribution ID: **1** Type: **not specified**

Lecture I2 –ILC

Tuesday, 26 October 2010 10:30 (3h 30m)

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

Presenter: Prof. BARISH, Barry (GDE)

Contribution ID: **2** Type: **not specified**

Lecture I3 –CLIC

Wednesday, 27 October 2010 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: **3** Type: **not specified**

Lecture I4 –Muon collider

Wednesday, 27 October 2010 14:00 (3h 30m)

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

Presenter: Dr PALMER, Robert B (BNL)

Contribution ID: **4** Type: **not specified**

Accelerator physics Lecture A1 –Linac

Thursday, 28 October 2010 14:00 (3h 30m)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Course A:

Contribution ID: **5** Type: **not specified**

Accelerator physics Lecture A1 –Linac (cont'd)

Friday, 29 October 2010 09:00 (3h 30m)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Course A:

Contribution ID: **6** Type: **not specified**

Accelerator physics Lecture A1 –Linac (cont'd)

Saturday, 30 October 2010 09:00 (3h 30m)

Presenter: SCHULTE, Daniel (CERN)

Session Classification: Course A:

Contribution ID: **7** Type: **not specified**

Accelerator physics Lecture A2 –Sources (6 hrs)

Saturday, 30 October 2010 14:00 (3h 30m)

Presenter: Dr KURIKI, Masao (KEK)

Session Classification: Course A:

Contribution ID: **8** Type: **not specified**

Accelerator physics Lecture A2 –Sources (cont'd)

Sunday, 31 October 2010 09:00 (3h 30m)

Presenter: Dr KURIKI, Masao (KEK)

Session Classification: Course A:

Contribution ID: **9** Type: **not specified**

Accelerator physics Lecture A3 –Damping rings (12 hrs)

Sunday, 31 October 2010 14:00 (3h 30m)

Presenter: Dr PALMER, Mark (Cornell University LEPP)

Session Classification: Course A:

Contribution ID: **10** Type: **not specified**

Accelerator physics Lecture A3 –Damping rings (cont)

Monday, 1 November 2010 09:00 (3h 30m)

Presenter: Dr PALMER, Mark (Cornell University LEPP)

Session Classification: Course A:

Contribution ID: **11** Type: **not specified**

Accelerator physics Lecture A3 –Damping rings (cont'd)

Tuesday, 2 November 2010 09:00 (3h 30m)

Presenter: Dr PALMER, Mark (Cornell University LEPP)

Session Classification: Course A:

Contribution ID: **12** Type: **not specified**

Accelerator physics Lecture A3 –Damping rings (cont'd)

Tuesday, 2 November 2010 14:00 (3h 30m)

Presenter: Dr PALMER, Mark (Cornell University LEPP)

Session Classification: Course A:

Contribution ID: **13** Type: **not specified**

Accelerator physics Lecture A4 –Beam delivery system and beam-beam (6 hrs)

Wednesday, 3 November 2010 09:00 (3h 30m)

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

Session Classification: Course A:

Contribution ID: **14** Type: **not specified**

Accelerator physics Lecture A4 –Beam delivery system and beam-beam (cont'd)

Wednesday, 3 November 2010 14:00 (3h 30m)

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

Session Classification: Course A:

Contribution ID: **15** Type: **not specified**

RF technology Lecture B1 –Room temperature RF (12 hours)

Thursday, 28 October 2010 14:00 (3h 30m)

Presenter: JENSEN, Erk (CERN)

Session Classification: Course B:

Contribution ID: **16** Type: **not specified**

RF technology Lecture B1 –Room temperature RF (cont'd)

Friday, 29 October 2010 09:00 (3h 30m)

Presenter: JENSEN, Erk

Session Classification: Course B:

Contribution ID: **17** Type: **not specified**

RF technology Lecture B1 –Room temperature RF (cont'd)

Saturday, 30 October 2010 09:00 (3h 30m)

Presenter: GRUDIEV, Alexej (CERN)

Session Classification: Course B:

Contribution ID: **18** Type: **not specified**

RF technology Lecture B1 –Room temperature RF (cont'd)

Saturday, 30 October 2010 14:00 (3h 30m)

Presenter: WUENSCH, Walter

Session Classification: Course B:

Contribution ID: **19** Type: **not specified**

RF technology Lecture B2 –Superconducting RF (12 hrs)

Sunday, 31 October 2010 09:00 (3h 30m)

Presenter: Mr DELAYEN, Jean (Jefferson Lab)

Session Classification: Course B:

Contribution ID: **20** Type: **not specified**

RF technology Lecture B2 –Superconducting RF (cont'd)

Contribution ID: **21** Type: **not specified**

RF technology Lecture B2 –Superconducting RF (cont'd)

Sunday, 31 October 2010 14:00 (3h 30m)

Presenter: Mr DELAYEN, Jean (Jefferson Lab)

Session Classification: Course B:

Contribution ID: **22** Type: **not specified**

RF technology Course B: RF technology

Monday, 1 November 2010 09:00 (3h 30m)

Presenter: Mr DELAYEN, Jean (Jefferson Lab)

Session Classification: Course B:

Contribution ID: **23** Type: **not specified**

RF technology Lecture B2 –Superconducting RF (cont'd)

Tuesday, 2 November 2010 09:00 (3h 30m)

Presenter: Mr DELAYEN, Jean (Jefferson Lab)

Session Classification: Course B:

Contribution ID: **24** Type: **not specified**

RF technology Lecture B3 –LLRF & high power RF (9 hrs)

Tuesday, 2 November 2010 14:00 (3h 30m)

Presenter: Dr SIMROCK, Stefan (DESY)

Session Classification: Course B:

Contribution ID: **25** Type: **not specified**

RF technology Lecture B3 –LLRF & high power RF (cont'd)

Wednesday, 3 November 2010 09:00 (3h 30m)

Presenter: Dr SIMROCK, Stefan (DESY)

Session Classification: Course B:

Contribution ID: **26** Type: **not specified**

RF technology Lecture B3 –LLRF & high power RF (cont'd)

Wednesday, 3 November 2010 14:00 (3h 30m)

Presenter: Dr SIMROCK, Stefan (DESY)

Session Classification: Course B:

Contribution ID: **27** Type: **not specified**

Excursion

Friday, 29 October 2010 14:00 (3h 30m)