

EDIT-2020

3rd Organising Committee Meeting

DESY,, February 11, 2019

Felix Sefkow



Agenda

For Today

Action Items

IAC

Lecture program

Next meetings

Action Items

Follow-up

From LOC Meeting Dec 10:

- Interaction with IAC: FS, now: **done**, see next slide
- Lecture topics: GE, January: **today**
- Web site specs: GE, January: **on-going**, see minutes GE Jan 28

From GE Meeting Jan 28:

- Budget request (informal) (Felix, asap)
- Budget, formal (Isabelle, Felix, March)
- Summer student selection tools (Isabelle, March)
- Sponsors (Marcel, March)
- **all pending**

International Advisory Committee

Complete

Was upon us to compose

Iterated in ET and with J.Mnich

All contacted, all accepted

Tasks:

- advise on lecture program
- advise on course program
- possibly: support student selection

Consequences:

**School concept has to be in presentable form
end of April**

- course program: 1 page flyers
- lecture program
- web site

IAC Members

- Phil Burrows (Oxford) ✓
- Ariella Cattai (CERN, ICFA Instrumentation) ✓
- Lutz Feld (Aachen, Terascale Detector Chair) ✓
- Joe Incandela (UCSB) ✓
- Peter Krizan (JSI, Ljubljana; ICFA) ✓
- Joachim Mnich (DESY) ✓
- Wataru Ootani (Tokyo) ✓
- Eric Ramberg (FNAL, EDIT2018 Organiser) ✓
- Hans-Christian Schultz-Coulon (Heidelberg) ✓

Lecture Program

Starting Point

1 hour each, 16 in total

- 4 on first and 4 on last day
- 1 on the others

DESY and invited speakers

Topics

1. Welcome DESY, Organisation matters *J Mnich, F Sefkow*
2. Detector Development at DESY *T.Behnke, IM Gregor, FS, DE, MS*
3. Tracking: Basic principles *C.Kleinwort, M.Elsing, N. Styles*
4. Calorimetry I: Basic principles *K.Krüger, F.Simon, E.Garutti*
5. Particle Identification *P.Krizan*
6. Silicon Detectors I: Basic principles, sensor types and radiation damage *D.Eckstein, IMG*
7. Silicon Detectors II: Monolithic and hybrid concepts *N.Wermes, S.Spannagel, P.Riedler*
8. Silicon Detectors III: Readout architectures, mechanics and system aspects *L.Feld, P.Riedler*
9. Photodetectors *E.Garutti, W.Ootani*
10. Calorimetry II: Systems and architectures *K.Krüger, F.Simon, M.Aleksa*
11. Calorimetry III: High granularity concepts *K.Krüger, F.Simon,*
12. Gaseous Detectors *C.Rembser, J.Timmermans, D.Nygren*
13. Cryogenic Noble Gas Detectors *S. S-Remboldt*
14. Electronics and Signal Processing *C. DLTaille, L.Musa*
15. Trigger and DAQ *M.Wing, HC Schultz-Coulon*
16. Detectors: great concepts and glorious failures *I-M Gregor*

Summary

and next steps

New action items:

- Course program proposal for web site launch: due in March
- Suggestions for poster pictures
- Logo

Next Meetings: Monday 1000

- March 18
- April 15
- both full?

Back-up

Timeline

Defined.

EDIT-2020 Vorbereitungen

v1, FS 19.11.2018

due

overdue

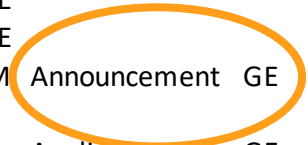
done

CO: Course Organisers

GE: General Event Team

LOC: GE+CO

| | Datum | Räume | Accom. | Lectures | Courses | Money | Web, poster | Participants | Social | Tours |
|--------|-------------|--------|-------------|--------------------|------------------|--------------|----------------|-------------------|--------|-----------------|
| Nov-18 | | | | | | | | | | |
| Dec-18 | Datum vorl. | FS, MS | Räume vorl. | RM | First ideas | CO | | | | |
| Jan-19 | | | | Program topics | GE | | web site specs | GE | | |
| Feb-19 | Datum final | FS,MS | Räume final | RM | contact speakers | GE Teams | CO Budget | FS web site first | IM | |
| Mar-19 | | | Hostel | FS Prelim. program | GE | Descriptions | CO | Poster draft | GE | |
| Apr-19 | | | | Final program | GE | | | Poster ready | GE | |
| May-19 | | | | | | | | web site final | IM | Announcement GE |
| Jun-19 | | | | | | | | | | |
| Jul-19 | | | | | | | | Applications | GE | |
| Aug-19 | | | | | | | | | | |
| Sep-19 | | | | | Detailed plan | CO | | Selection | LOC | |
| Oct-19 | | | | | | | | | | Dinner GE |
| Nov-19 | | | | | Hardware | CO | | Registration | GE | Reception GE |
| Dec-19 | | | | | Instructions | CO | | | | |
| Jan-20 | | | | | | | | | | Tours GE |
| Feb-20 | | | | | | | | School | LOC | |



EDIT-2020

In a nutshell

Excellence in Detector and Instrumentation Technologies

Attendance: PhD Students and young postdocs

- about 50
- plus lecturers and supervisors

Format: Lectures and practical courses

- including test beam experiments

Duration: 2 weeks

Previous editions:

- CERN 2011
- Fermilab 2012
- KEK 2013
- INFN Frascati 2015
- Fermilab 2018

International Advisory Committee

- Carla Bonifazi (C.T. Rio)
- Ariella Catai, (CERN)
- Junji Haba (KEK)
- Joachim Mnich (DESY)
- Joe Lykken, (FNAL)
- Felix Sefkow (DESY)
- Yifang Wang (IHEP)
- Marcello Pavan (TRIUMF)

EDIT-2018

Latest example: Fermilab

March 5-16, 2018

Monday: Introduction, first lectures, safety training etc

Tue-Fri and Mon-Thu (8 days): Lectures and Courses

Friday: Lab tours, final lectures and close-out

Lectures: $3 + 8 \times 1 + 3 = 14$

- internal and (mostly) external speakers

Courses: 4 "tracks" = courses

- held in parallel
- students form 4 groups and rotate
 - sub-groups within a track
- each course 2 days, held 4 times

Social program

- reception and dinner

| Group: | 1 | 2 | 3 | |
|--------------|----------------------|----------------------|----------------------|------------|
| Mar 6 (Tue) | Test Beam Day 1 | Neutrinos Day 1 | Photodetection Day 1 | Silicon Da |
| Mar 7 (Wed) | Test Beam Day 2 | Neutrinos Day 2 | Photodetection Day 2 | Silicon Da |
| Mar 8 (Thu) | Neutrinos Day 1 | Photodetection Day 1 | Silicon Day 1 | Test Beam |
| Mar 9 (Fri) | Neutrinos Day 2 | Photodetection Day 2 | Silicon Day 2 | Test Beam |
| Mar 10 (Sat) | Free Day | | | |
| Mar 11 (Sun) | Free Day | | | |
| Mar 12 (Mon) | Photodetection Day 1 | Silicon Day 1 | Test Beam Day 1 | Neutrinos |
| Mar 13 (Tue) | Photodetection Day 2 | Silicon Day 2 | Test Beam Day 2 | Neutrinos |
| Mar 14 (Wed) | Silicon Day 1 | Test Beam Day 1 | Neutrinos Day 1 | Photodete |
| Mar 15 (Thu) | Silicon Day 2 | Test Beam Day 2 | Neutrinos Day 2 | Photodete |
| Mar 16 (Fri) | Industry & Tours | | | |

EDIT-2018

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| Mar 10 (Sat) | Free Day | | | |
| Mar 11 (Sun) | Free Silicon Detectors | | | |
| Mar 12 (Mon) | Ph Day 1 | GROUP 1 | GROUP 2 | GROUP 3 |
| Mar 13 (Tue) | Ph 9:45 | 10:30 | Introductory lecture/discussion | |
| Mar 14 (Wed) | Sil 10:30 | 11:15 | Lab D | TCAD |
| Mar 15 (Thu) | Sil 11:15 | 12:00 | TCAD | Lab D |
| Mar 16 (Fri) | Lunch | | | |
| | 13:00 | 15:00 | TCAD | LASER |
| | 15:00 | 17:00 | LASER | CV |
| | Day 2 | | | |
| | 9:30 | 10:30 | CV | LASER |
| | 10:30 | 12:00 | CV | LASER |
| | Lunch | | | |
| | 13:00 | 15:00 | TCAD | CV |
| | 15:00 | 17:00 | Analysis/Retest/Strip Sensor | |