

Session Program

13-17 Jun 2016

AIDA-2020 First annual meeting

Si Workshop

<[a href="http://www.desy.de/content/desymaps/gelaendeplan-eng-hh.pdf"Notkestraße 85, 22607 Hamburg, Allemagne](http://www.desy.de/content/desymaps/gelaendeplan-eng-hh.pdf)

Monday 13 June

14:00

Si Workshop: Calorimetry with silicon - Past, present, future

Session | Location: DESY, Seminar room 4a-b (Bldg.01b) | **Conveners:**
Roman Poeschl, Abraham Seiden, Marcello Mannelli

14:00-14:15 **Welcome and charge to workshop**

14:15-14:45 **Summary of the state of the art**

14:45-15:15 **Ultrahigh granular calorimeters with HV CMOS and MAPS**

15:15-15:45

Results of beam-tests of HGCAL diodes/sensors for fast-timing measurements

Speaker

Arabella Martelli

15:45-16:00 **Discussion and spill over**

16:00

16:30

Si Workshop: Si Wafer characteristics and producers

Session | Location: DESY, Seminar room 4a-b (Bldg.01b) | **Conveners:**
Roman Poeschl, Marcello Mannelli, Abraham Seiden

17:00-17:30 **Signal formation and timing in LGAD sensors**

17:30-17:50 **Signal formation and timing in conventional P-I-N Diodes**

17:50-18:10 **Radiation hardness issues for silicon sensors**

18:10-18:40 **Issues of Si Wafer production and overview of tentative Si producers**

Speaker

Thomas Bergauer

18:40

Tuesday 14 June

09:00

Si Workshop: Si calorimeters - System design I

Session | Location: DESY, Seminar room 4a-b (Bldg.01b) | **Conveners:** Marcello Mannelli, Abraham Seiden, Roman Poeschl

09:00-09:30 **Front end electronics**

09:30-10:00 **Digital readout and clock distribution**

10:00

10:45

Si Workshop: System design II

Session | Location: DESY, Seminar room 4a-b (Bldg.01b) | **Conveners:** Roman Poeschl, Abraham Seiden, Marcello Mannelli

10:45-11:15 **Cooling and environmental aspects**

11:15-11:45 **Mechanical structures**

11:45-12:00 **Compact forward calorimetry at future linear colliders**

Speaker

Marek Idzik

12:00

Si Workshop: Closeout

Session

12:00-12:20 **Summary and next steps**

12:20