

Session Program

13-17 Jun 2016

AIDA-2020 First annual meeting

Si Workshop

<http://www.desy.de/content/desymaps/gelaendeplan-eng-hh.pdf> DESY/Campus MAP
Notkestraße 85, 22607 Hamburg, Allemagne

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 HGICAL 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

12:00

Si Workshop: Closeout

Session

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

12:20