

Silicon Strips and Pixel Technologies

Conveners: Paula Collins, Michael Moll, Petra Riedler

Program overview: Silicon II

- 9:00** **Lecture: Introduction to Silicon Detectors** (45 min, every second day)
Lecturers: Manfred Krammer; Frank Hartmann; Room: 28-S-029 (35 seats)
- 9:00** **Lecture: Application of Silicon in Trackers** (45 min, every second day)
Lecturers: Andrei Nomerotski; William Trischuk; Room: 28-S-029 (35 seats)
- 10:00** **Coffee break**; Room: 186-R-E23
- 10:15** **Lecture: Hybrid Silicon Pixel Detectors** (30 min)
Tutors: Markus Keil; Rooms: 28-S-029 (35 seats)
- 10:45** **Hands-on: Hybrid Pixel Detectors** (45 min)
Tutors: Markus Keil, Simon Kwan; Mauro Dinardo; Room: 186-R-E23
- 11:30** **Lecture: CMOS Pixel Sensors** (30 min)
Tutors: Marc Winter; Jerome Baudot; Rooms: 28-S-029 (35 seats)
- 12:00** **Hands-on: The MIMOSA detector** (60 min); Room: 186-R-E10 (clean room)
Tutors: Marc Winter; Jerome Baudot; Costanza Cavicchioli
- 13:00** **Lunch** (60 min, Restaurant No.2)
- 14:00** **Lecture: Pixel Detectors in HEP and HI Experiments** (30 min)
Lecturers: Vito Manzari; Room: 186-R-E10 (clean room)
- 14:30** **Hands-on: Operate a Mini HEP Experiment** (90 min)
Tutors: Vito Manzari, Costanza Cavicchioli, Marian Krivda, Annalisa Mastroserio, Gianluca Aglieri Rinella, Romualdo Santoro; Room: 186-R-E10 (clean room)
- 16:00** **Coffee break (20 min)**; Room: 186-R-E23
16:20 *Students are transferred to bldg.160*
- 16:30** **Lecture: Present and future Pixel Systems at the LHC** (30 min)
Room: 160-R-009; (exception on Feb.1 and Feb.8: 14-4-002)
Lecturers: Alessandro La Rosa, Christian Gallrapp, Daniel Dobos, Heinz Pernegger
- 17:00** **Hands-on: Pixel Systems at the LHC** (60 min); Rooms: 161-1-023 and 161-1-024
Tutors: Alessandro La Rosa, Christian Gallrapp, Daniel Dobos, Heinz Pernegger
- 18:00** **Lecture: Future Developments and Challenges** (30 min) Rooms: 160-R-009
Tutors: Heinz Graafsma, Michael Campbell, Simon Kwan