

Silicon Strips and Pixel Technologies

Conveners: Paula Collins, Michael Moll, Petra Riedler

Program overview: Silicon I

- 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** **Hands-on: Silicon Diodes** (90 min, 4 groups of 3 students, 1 activity)
Tutors: Lars Eklund, Doris Eckstein, Gregor Kramberger, Nicola Pacifico, Jose Garcia
Rooms: 28-2-013 and 28-2-017
- 11:45** **Hands-on: Wire bonding and Reliability testing**
(90 min, 2 groups of 6 students, 2 activities)
Tutors: Alan Honma; Ian McGill; Adam Drozd ; Florentina Manolescu
Rooms: 186-R-J07 (clean room)
- 13:00** **Lunch** (75 min, Restaurant No.2)
- 14:15** **Lecture: Radiation Tolerant Silicon Detectors** (45 min, 12 students)
Lecturers: Mara Bruzzi; Gianluigi Casse ; Room: 28-S-029 (35 seats)
- 15:00** **Hands-on: Silicon Strip Detectors** (90 min, 3 groups of 4 students, 1 activity)
Tutors: Richard Bates, Irena Dolenc Kittelmann, Marko Milovanovic, Jose Garcia
Rooms: 28-2-013, 28-2-017 and 28-2-019
- 16:30** **Coffee break**; Room: 186-R-E23
- 17:00** *Students split into 2 groups:
Group A remains in bldg.28; Group B transferred to bldg.14*
- 17:15** **Group A: Hands-on: Laser induced Signals** (75 min, 1 group of 6 students, 1 activity)
Tutors: Nicola Pacifico, Gregor Kramberger; Rooms: 28-2-019
- 17:15** **Group B: Hands-on: The Medipix System** (75 min, 1 group of 6 students, 1 activity)
Tutors: R.Plackett, K.Akiba, G.Blaj, J.Buytaert; Rooms: 14-5-014 and 14-5-022