

**Session Program**

**2-6 Dec 2024**

**2nd DRD3 week on Solid State Detectors R&D**

***WG1 - CMOS technologies***

CERN, 500/1-001 - Main Auditorium

# Thursday 5 December

15:00

## WG1 - CMOS technologies: WG1 - CMOS technologies

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium | **Conveners:**  
Jerome Baudot, Eva Vilella Figueras, Heinz Pernegger

15:00–15:20

### CMOS Strip Sensors - Characterisation, Simulation and Test Beam Results

**Speaker**

Iveta Zatocilova

15:20–15:40

### Monolithic Active Strip Sensors for Applications in future Tracking detectors & medical Imaging

**Speakers**

Simon Spannagel, Ulrich Parzefall

15:40–16:00

### The RD50-MPW4 CMOS Pixel Sensor: Performance Post-Irradiation

**Speaker**

Bernhard Pils

16:00–16:20

### Performance studies of the CE-65v2 MAPS prototype structure

**Speaker**

Alessandra Lorenzetti

16:20–16:50

### Coffee Break

16:50–17:10

### Simulations and characterisation of the first monolithic CMOS LGAD implemented in 110nm

**Speaker**

Mr Umberto Follo

17:10–17:30

### H2M - Characterization of a MAPS in a 65 nm CMOS Imaging Process

**Speaker**

Finn Feindt

17:30–17:50

### TPA Laser Experiment on the MPW4 HVCMOS MAPS chip

**Speaker**

Francisco Rogelio Palomo Pinto

18:30

## Friday 6 December

09:00

### WG1 - CMOS technologies: WG1 - CMOS technologies II

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Heinz Pernegger

09:00–09:20 **CEPC vertex detector R & D status and plan**

**Speaker**

Zhijun Liang

09:20–09:40

**Development of MAPS using 55nm HVCMOS process for future tracking detectors**

**Speaker**

Dr Zhiyu Xiang

09:40–09:50

**Evaluation of Open PDKs and Open Source Design Tools for DMAPS**

**Speaker**

Daniel Muenstermann

09:50–11:00

**Discussion on CMOS projects**

11:00–11:30

**Coffee Break**

12:40