

Eleventh International Workshop on Semiconductor Pixel Detectors for Particles and Imaging

mardi 19 novembre 2024

Timing with pixels - Amphitheatre (14:00 - 15:54)

-Présidents de session: Norbert Wermes

| time | [id] title | presenter |
|-------|--|----------------------------|
| 14:00 | [121] Time-stamping photons with sub-nanosecond resolution for quantum-enhanced imaging and telescoping | NOMEROTSKI, Andrei |
| 14:40 | [49] High precision 4D tracking with large pixel RSD coupled to the FAST3 ASIC | CARTIGLIA, Nicolo' |
| 15:00 | [106] New developments in 3D-trench electrode sensors | YE, Jixing |
| 15:20 | [82] Design and optimisation of radiation resistant AC- and DC-coupled resistive LGADs | FONDACCI, Alessandro |
| 15:37 | [84] The MiniCactus CMOS timing sensor development line: towards HV-CMOS monolithic timing sensors with 20 ps resolution | Prof. SCHWEMLING, Philippe |

jeudi 21 novembre 2024

Timing with pixels - Amphitheatre (10:30 - 12:01)

-Présidents de session: Takaki Hatsui

| time | [id] title | presenter |
|-------|---|-------------------------|
| 10:30 | [16] MONOLITH - picosecond capability in a high granularity monolithic silicon pixel detector | Prof. PAOLOZZI, Lorenzo |
| 10:50 | [91] Design and characterization of Low-Gain Avalanche MAPS in 110nm CMOS | PANCHERI, Lucio |
| 11:07 | [73] Timing performance of a digital SiPM prototype | RASTORGUEV, Daniil |
| 11:24 | [94] 4D tracking results with the Timepix4 telescope | HEIJHOFF, Kevin |
| 11:44 | [4] Performance of 55 micron pitch TI-LGADs on Timepix4 | KRAEMER, Uwe |