



# Eleventh International Workshop on Semiconductor Pixel Detectors for Particles and Imaging

## mardi 19 novembre 2024

### Monolithic sensors - Amphitheatre (16:30 - 18:32)

-Présidents de session: Christine HU-GUO

time	[id] title	presenter
16:30	[89] Particam: A fully digital sensor for sub micron resolution	HAMMERICH, Jan
16:47	[108] Development of a high gain and high MTF CMOS electron detector for transmission electron microscope (TEM)	Dr MARCELOT, olivier
17:07	[53] Sagara1212: A wafer-scale, 5,000 frames per second, 4 megapixel CMOS Image Sensor for direct electrons and light detection	M. SCOTT, Andrew
17:24	[88] Design and measurement of a large CMOS pixel with nanosecond collection time	BOULANGER, Sven
17:41	[76] Recent results from the R&D on the MIMOSIS CMOS MAPS	DEVEAUX, Michael
17:58	[5] Study of MALTA2, a Depleted Monolithic Active Pixel Sensor, with grazing angles of CERN SPS 180 GeV hadron beam	LI, Long
18:15	[85] TelePix2: A HVCMOS pixel sensor for Fast Timing and Region of Interest Triggering	WINTLE, Arianna

**jeudi 21 novembre 2024****Monolithic sensors - Amphitheatre (16:00 - 18:22)****-Présidents de session: Walter Snoeys**

time	[id] title	presenter
16:00	[122] Enhancing Sensor Readout Efficiency: Innovations and Challenges	DEPTUCH, Grzegorz
16:40	[30] Characterization of silicon Monolithic Stitched Sensors (MOSS) for the ALICE ITS3 for the LHC Run 4	TERLIZZI, Livia
16:57	[21] Exploring ALICE ITS3 MOST: Early Results on Power Segmentation and Asynchronous Readout for Timing in a Monolithic Stitched Sensor	SELINA, Mariia
17:14	[40] H2M: Porting a hybrid readout architecture into a monolithic 65 nm CIS	RUIZ DAZA, Sara
17:31	[66] Impact of the circuit layout on the charge collection in a monolithic pixel sensor	LEMOINE, Corentin
17:48	[26] Suitability of a 65 nm CMOS imaging process to reach the position resolution required by a vertex detector at FCCee	EL BITAR, Ziad
18:05	[62] Development of monolithic pixel sensor prototypes for the first CEPC vertex detector prototype	ZHANG, Ying