

Poster number	Abstract number	Presenter	Title	Presenting during coffee breaks:	
1	106	Ni Fang	Large-area X-ray polarization detector detection unit prototype	Tuesday morning	Thursday morning
2	45	Ryoji IWASHITA	Design and evaluation of a MeV gamma-ray camera aboard a 50-kg class small satellite	Tuesday afternoon	Wednesday morning
3	68	Toshiya Iwata	Development of the X-ray polarimeter using CMOS imager: polarization sensitivity of a $1.5\text{-}\mu\text{m}$ pixel CMOS sensor	Wednesday morning	Thursday morning
4	61	Tsubasa Tamba	Imaging reconstruction method on X-ray data of CMOS polarimeter combined with coded aperture	Thursday morning	Monday morning
5	84	Fitri Lucyana	Contrast Agent Estimation Result of 2-dimensional Photon Counting CT Detector which Combined MPPC and YGAY-scintillator Array	Monday morning	Monday afternoon
6	104	Hyemi Kim	Improving MVCT Image Quality for Quantitative Analysis of Inter-fractional Organ Motion in Prostate Cancer Radiotherapy	Monday afternoon	Tuesday morning
7	95	JONGGUK KIM	Alpha-Particle Imaging SiPM Array Sensor with High-Resolution Technique	Tuesday morning	Tuesday afternoon
8	48	Minjae Lee	Image quality assessment of flexile scintillation screens for curved X-ray imaging detectors	Tuesday afternoon	Monday morning
9	76	Minjae Lee	Scintillator's effect and characterization for ultra-high resolution in digital X-ray flat-panel detectors	Wednesday morning	Monday afternoon
10	34	Juncheng Li	A 28Gbps PAM4 VCSEL Driving ASIC for the Front-end Readout Application in High-Energy Physics Experiments	Thursday morning	Monday morning
11	73	Lirong Xie	A High-Counting-Rate Readout ASIC for CZT Detectors	Monday morning	Tuesday afternoon
12	80	Tianya Wu	Topmetal-L: A pixel sensor for charge tracking imaging of LPD	Monday afternoon	
13	111	Tianya Wu	Design and Preliminary Characterization of a High-Speed Front-End Readout ASIC for CdZnTe Detectors	Tuesday morning	
14	81	Ming Yang	A 4.4-Gbps Serializer ASIC in 180 nm for NICA-MPD Detector	Tuesday afternoon	Wednesday morning
15	102	Ni Fang	Design of a Pixel Detector Readout Scheme with Controllable Delay Chain for Enhanced Positioning Accuracy	Wednesday morning	Monday afternoon
16	17	Qiangjun Chen	A 2.56 Gbps or 10.24 Gbps 1:16 Deserializer in 55 nm for High-Energy Physics Experiments	Thursday morning	Monday morning
17	44	Qunqi Shi	A 10-Gb/s Serial Link Transmitter With 4-Tap FFE Function in 55-nm CMOS	Monday morning	Monday afternoon
18	90	Shaogang Peng	Single event effect in ATLAS ITk Strip readout chips	Monday afternoon	Tuesday morning
19	112	Shiwei Yan	A 10Gbps Optical Receiver in 55nm CMOS for Front-end readout electronics in High-Energy Physics Experiments	Tuesday morning	Tuesday afternoon
20	71	Tianya Wu	An Analog-Digital Hybrid Fine Interpolation TDC with Uncontrolled Delay Lines and Calibration Approaches	Tuesday afternoon	
21	108	Tianya Wu	A high-speed low-noise front-end ASIC prototype for high-intensity ionization chamber	Wednesday morning	

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22	62	Hannah Schmitz	Mighty Tracker - Performance Studies of the MightyPix for LHCb	Thursday morning	Monday morning
23	85	Lankun Li	Study of double-sided silicon pixel ladders with low material budget	Monday morning	Monday afternoon
24	87	Lennart Huth	From particles to timed tracks - The next generation of hard and software for test beams	Monday afternoon	Tuesday morning
25	56	Samuel Escrig López	Micro-vertex detection system for the WASA-FRS HypHI Experiments at GSI-FAIR	Tuesday morning	Tuesday afternoon
26	122	Scott Lee Beaupre	Automated Assembly of Larger Detector Structures for the ATLAS New Inner Tracker	Monday morning	Wednesday morning
27	63	Sergio Diez Cornell	The ATLAS ITk strip local support structures	Tuesday afternoon	Wednesday morning
28	37	Simon Viel	Silicon photomultipliers for the nEXO light detection system	Thursday morning	Monday morning
29	126	Boyu Feng, Donghwan Kim	Study on magnetic field and pH response with angular correlation measurement of Yb-169 for double photon coincidence imaging	Thursday morning	
30	110	Jianwei Liao	Hi'Beam-SEE: a silicon pixel sensor-based beam monitor for heavy-ion experimental terminals	Monday afternoon	Tuesday morning
31	114	Yeonseong Choi	Design and preliminary performance of scintillators-based unmanned aerial vehicle for multiple radiation detection	Tuesday morning	Tuesday afternoon
32	103	Yoshio Kamiya	Development of two-dimensional neutron imager with a sandwich configuration	Tuesday afternoon	Wednesday morning
33	28	Ryutaro Nishimura	X-ray imaging camera using INTPIX4NA SOIPIX detector with SiTCP-XG 10GbE based high-speed readout system	Wednesday morning	Monday afternoon
34	11	Abhishek Sharma	Module development for the ATLAS ITk Pixel Detector	Thursday morning	Monday morning
35	116	Christopher Krause	Test beam performance of pixel detectors for the Inner Tracker Upgrade of the ATLAS experiment	Monday morning	Monday afternoon
36	1	Diana Krupova	Muon Forward Tracker in ALICE at the LHC	Monday afternoon	Tuesday morning
37	47	Jianchun Wang	Feasibility study of implementing CMOS sensor in 55nm process for tracking	Tuesday morning	Thursday morning
38	35	Massimiliano Antonello	First Test Beam Results of Irradiated Single and Quad Modules Equipped with HPK Planar Pixel Sensors and CROC Readout Chips for the CMS Phase 2 Upgrade	Tuesday afternoon	Wednesday morning
39	51	Taishu Kayanoki	X-ray polarimetry and spectroscopy with the CMOS detector IU233N5-Z	Wednesday morning	Thursday morning
40	109	Hiromitsu Takahashi	Performance of CMOS pixel detector IU233N5-Z damaged with 200 MeV proton beam	Thursday morning	Monday morning
41	15	Jianchun Wang	Radiation study of the LHCb UT front-end readout ASIC	Monday morning	Tuesday afternoon
42	4	Joseph Bodunrin	Suppression effect of Fe on irradiation of Silicon-based diodes using current-voltage measurements.	Monday afternoon	Tuesday morning

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43	121	Marcela Mikestikova	The study of gamma-radiation induced displacement damage in n+-in-p silicon diodes	Tuesday morning	Tuesday afternoon
44	69	Pascal Wolf	A High-Precision Proton Irradiation Site for Silicon Detectors Providing Online Fluence Monitoring, Spatial Damage Resolution and Flexible Irradiation Procedures	Tuesday afternoon	Wednesday morning
45	86	Shuta TAKAHASHI	Radiation tolerance tests and performance verification of pnCCD at high temperature for future satellite mission HiZ-GUNDAM	Wednesday morning	Thursday morning
46	29	Suen Hou	Characteristics of the MTx optical transmitter ASIC in Total Ionizing Dose	Thursday morning	Monday morning
47	119	Callan Jessiman	TCAD simulation of the electrical performance of the ATLAS18 strip sensor for the HL-LHC	Monday morning	Monday afternoon
48	118	Ilona-Stefana Ninca	Understanding the Humidity Sensitivity of Sensors with TCAD Simulations	Monday afternoon	Tuesday morning
49	21	Yasushi Fukazawa	New concept of Si semiconductor Compton Camera	Tuesday morning	Tuesday afternoon
50	43	Yoshinobu Unno	Analysis of MOS capacitor with p layer with TCAD simulation	Tuesday afternoon	Wednesday morning
51	42	Andrew Fournier	Hot spot visual evaluation of breakdown locations in ATLAS18 ITk strip sensors and test structures	Wednesday morning	Thursday morning
52	64	Paul Miyagawa	Analysis of the results from Quality Control tests performed on ATLAS18 Strip Sensors during on-going production	Thursday morning	Monday morning
53	59	Vitaliy Fadeyev	Long-term humidity exposure of ATLAS18 ITk strip sensors	Monday morning	Monday afternoon