

Poster sessions are during/using the coffee/tea/lunch breaks from Monday to Thursday.

Poster size (max.): A0 (841x1189 mm²) in portait.

Poster#	Id	Presenters	Title	Track
P01	120	Fumiya Imazato	Study of Silicon drift sensor for Gamam-ray Compton Camera	Technologies
P02	123	Takahiro Ishimaru	Fabrication of silicon-supported germanium blocked impurity band detectors for infrared astronomy	Technologies
P03	134	Yan Fan	Pixelated CdZnTe detector based on Topmetal-IIa sensor	Technologies
P04	153	Viktoria Hinger	Process Quality Control of Large-Scale Silicon Sensor Productions for Future HEP Experiments	Technologies
P05	23	Fuyue Wang	The Impact of Incorporating Shell-corrections to Energy Loss in Silicon	Simulations
P06	28	Yoshinobu Unno	Signal simulation under the bias rail in n ⁺ -in-p pixel sensors before and after irradiation	Simulations
P07	41	guna kim	Dictionary-learning based image deblurring for improving performance in nondestructive testing	Simulations
P08	42	Daniel Schell	Optimization of bias rail implementations for segmented silicon sensors	Simulations
P09	60	Hyeyoung Lee	Simulation Study of a Pixelated Silicon Sensor on High Resistivity Integrated with Field Effect Transistor	Simulations
P10	88	Kazuyoshi Carvalho Akiba	TCAD simulation of Radiation Damage Effects on LHCb Velo and Operations in Run-II	Simulations
P11	98	Yuanyuan Xue	Modeling the transient effects of 60Co γ rays in CIS imaging system by Monte Carlo method based on Geant4	Simulations
P12	2	Giulio Pellegrini	3D-Si single sided sensors for the innermost layer of the ATLAS pixel upgrade	Pixel sensors for tracking
P13	22	Yang Zhou	Development of highly compact digital pixels for the vertex detector of the future e ⁺ e ⁻ collider	Pixel sensors for tracking
P14	24	Fuyue Wang	Ultimate position resolution of pixel clusters with binary readout for particle tracking	Pixel sensors for tracking
P15	83	Ying Zhang	A Monolithic Active Pixel Sensor prototype for the CEPC vertex detector	Pixel sensors for tracking
P16	109	Andreas Gisen	Investigation of modified ATLAS pixel implantations	Pixel sensors for tracking
P17	142	Moritz Kiehn	Performance of CMOS pixel sensor prototypes in AMS H35 and aH18 technology for the ATLAS ITk upgrade	Pixel sensors for tracking
P18	169	Xiaomin Wei	New Readout Strategies of CMOS Pixel Sensors Dedicated for High Energy Physics Experiments	Pixel sensors for tracking
P19	170	Bo LI	A simulation system for signal readout of CMOS pixel sensors in high energy physics experiments	Pixel sensors for tracking
P20	189	Craig Buttar	Development of pixel modules for the forward region of the ATLAS Tracker Upgrade	Pixel sensors for tracking
P21	145	Akiko Gädda	Cadmium Telluride (CdTe) X-ray detectors with different passivation dielectrics	Pixel sensors for imaging
P22	3	Takahiko Kondo	Radiation damage status of the ATLAS silicon strip detectors	Strip sensors
P23	67	Luise Poley	Studying signal collection in the punch-through protection area of a silicon micro-strip sensor using a micro-focused X-ray beam	Strip sensors
P24	68	Martin Stegler	Investigation of the impact of mechanical stress on the properties of silicon strip sensors	Strip sensors
P25	70	Laura Rehnisch	Testbeam results on pick-up in sensors with embedded pitch adapters	Strip sensors
P26	95	Vitaliy Fadeyev	Study of n-on-p sensors breakdown in presence of dielectrics placed on top surface	Strip sensors
P27	107	Carlos Lacasta	Design of the first full size ATLAS ITk Strip sensor for the endcap region	Strip sensors
P28	111	Carlos Garcia Argos	Assembly and Electrical Tests of the First Full-size Forward Module for the ATLAS ITk Strip Detector	Strip sensors
P29	166	Peter Phillips	Prototype Strip Barrel Modules for the ATLAS ITk Strip Detector	Strip sensors
P30	56	Xintian Shi	Gotthard-II: A ultra-fast Silicon Microstrip Detector with on Chip digital Image Memory	ASICs
P31	87	Le Xiao	A 3.2 Gbps Serial Link Transmitter in 0.18 μ m CMOS Technology for CMOS Monolithic Active Pixel Sensors Application	ASICs
P32	92	Le Xiao	Two low-power optical data transmission ASICs for the ATLAS liquid argon calorimeter readout upgrade	ASICs
P33	130	MIZUKI UENOMACHI	Development of a Multi-Channel Silicon Strip Particle Detector using the Slew Rate Limited ToT ASIC for High-Sensitivity HERDA System	ASICs
P34	137	Koichi Nagase	Development of a cryogenic readout circuit based on FD-SOI CMOS for a far-infrared astronomical image sensor	ASICs
P35	146	Roland Sorge	Radiation Tolerant RF-LDMOS Transistors, Integrated into a 0.25 μ m SiGe-BICMOS Technology	ASICs
P36	155	Marek Idzik	FLAME readout ASIC for luminosity detector in future linear collider	ASICs
P37	168	Roberto Rossin	A Track Finder with Associative Memories and FPGAs for the L1 Trigger of the CMS experiment at HL-LHC	ASICs
P38	171	Andrea Paterno	A Novel Pixel Region Architecture for Pixel detector at HL-LHC: the Central Buffer Architecture of RD53a prototype	ASICs
P39	175	Angelo Rivetti	TIGER, a front-end ASIC for timing and energy measurement with radiation detectors	ASICs
P40	7	Gilberto Giugliarelli	Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector	Radiation damage and radiation tolerant materials
P41	85	zujun wang	Comparison of transient response characteristics in the CIS detector irradiated by gamma rays and X rays	Radiation damage and radiation tolerant materials
P42	114	Yuanyuan Xue	The transient degradation of neutron irradiation on CMOS image sensor: experiments and simulations	Radiation damage and radiation tolerant materials
P43	125	Sy Minh Tuan Hoang	Correlation between Radiation Damage and Electrical Characteristics of the Proton-irradiated Silicon PN Diode	Radiation damage and radiation tolerant materials

P44	133 Chenhui Wang	Enhanced Effects of Neutron Displacement Damage on Total Ionizing Dose Degradation in SOI MOSFET and Gate-controlled Lateral PNP Bipolar Transistor	Radiation damage and radiation tolerant materials
P45	152 Andrea Gaudiello	Study of damages induced on ATLAS silicon by fast extracted and intense proton beam irradiation	Radiation damage and radiation tolerant materials
P46	163 zujun wang	Radiation damage evaluation of the CCD detector induced by high energy protons	Radiation damage and radiation tolerant materials
P47	177 Ran Zheng	Dark-Current Estimation Method for CMOS Image Sensor in Mixed Radiation Environment	Radiation damage and radiation tolerant materials
P48	10 Ladislav Andricek	Final system test results of the DEPFET based Belle II pixel detector PXD	Large scale applications
P49	39 Miaoyuan Liu	Construction and Commissioning of the CMS Phase 1 Pixel Detector	Large scale applications
P50	66 Matthias Schroeder	Alignment of the upgraded CMS pixel detector	Large scale applications
P51	72 Mingyi Dong	Development of a MAPS detector prototype for the BESIII inner drift chamber upgrade	Large scale applications
P52	74 Alessandro Gabrielli	A multi-channel PCI Express readout board for fast readout of large pixel detectors	Large scale applications
P53	80 Peilian Liu	Novel technique for luminosity measurement using 3D pixel modules in the ATLAS detector.	Large scale applications
P54	143 Peter Phillips	Layout overview and developments for the upgrade of the inner tracker of the ATLAS experiment for the High-Luminosity LHC	Large scale applications
P55	150 Zhijun Liang	Construction of the new silicon microstrips tracker for the Phase-II ATLAS detector	Large scale applications
P56	172 Yung-Wei Chang	Construction and beam-tests of silicon-tungsten and scintillator-SiPM modules for the CMS High Granularity Calorimeter for HL-LHC	Large scale applications
P57	186 Long Hoa Cao Phuc	Calibration of the CMS Preshower detector in Run1 and Run2	Large scale applications
P58	94 Yasushi Fukazawa	Coincidence method to reduce Si-PM (MPPC) dark counts	Applications in astrophysics
P59	99 Masanori Ohno	Event selection technique of multi-layer Si-CdTe Compton camera onboard Hitomi	Applications in astrophysics
P60	103 Kento Torigoe	Performance Study of Large CsI(Tl) Scintillator with MPPC Readout	Applications in astrophysics
P61	115 Hiroki Maeda	Development of a Fabry-Perot spectrometer with high-spatial and spectral resolutions aboard a balloon-borne telescope for far-infrared astronomy	Applications in astrophysics
P62	119 Kiyoshi Hayashida	Arcseconds and Sub-Arcseconds Imaging with Multi Image X-ray Interferometer Modules for Small Satellites	Applications in astrophysics
P63	151 Keita Yamamoto	Development of optical devices with Subwavelength Structure	Applications in astrophysics
P64	18 YoungJin Lee	Feasibility Study of Si/CZT Compton Camera Imaging in Breast Cancer Detection using Monte Carlo Simulation	Applications in biology, medicine, medical equipments
P65	62 Miho Takabe	Development of simple proton CT system with novel MCS correction methods	Applications in biology, medicine, medical equipments
P66	71 Daiki Hayakawa	Fast Timing Monolithic Silicon Pixel Sensor for TOF-PET	Applications in biology, medicine, medical equipments
P67	105 ChangWoo Seo	Comparison of X-ray image quality of TFT and CMOS flat-panel detector for mobile C-arm system	Applications in biology, medicine, medical equipments
P68	106 ChangWoo Seo	Optimization of X-ray image acquisition and reconstruction for C-arm CBCT system with flat-panel detector	Applications in biology, medicine, medical equipments
P69	116 Nicolo Cartiglia	Tests of thin Low-Gain Avalanche Detectors for characterization of therapeutic proton beams	Applications in biology, medicine, medical equipments
P70	13 Coentin Allaire	A High-Granularity Timing Detector (HGTD) in ATLAS: Performance at the HL-LHC	New ideas and future applications
P71	20 Christopher Betancourt	A timing detector for the SHiP experiment	New ideas and future applications
P72	21 Geoff Hall	A high angular resolution silicon microstrip beam telescope for crystal channeling studies	New ideas and future applications
P73	31 Artur Apresyan	Studies of uniformity of 50 um UFSD sensors at the Fermilab test beam	New ideas and future applications
P74	35 Zhenjie Li	Detection of High Flux Synchrotron Radiation Based on Diamond Detector for HEPS	New ideas and future applications
P75	69 Dennis Sperlich	Signals from fluorescent materials on the surface of silicon micro-strip sensors	New ideas and future applications
P76	104 Suen Hou	Optical transceiver in miniature form factor for radiation hazard applications	New ideas and future applications
P77	122 Sy Minh Tuan Hoang	Development of CVD Diamond Detectors and Performance of Neutron Testing	New ideas and future applications
P78	165 Enrico Villani	Digital Electromagnetic Calorimetry for future colliders	New ideas and future applications
P79	176 Bojan Hiti	Development of a System for Luminosity and Abort at the LH-LHC based on polycrystalline CVD diamond	New ideas and future applications
P80	59 Hideaki Takagi	High Spatial Resolution Small Angle X-ray Scattering Experiments using the SOPHIAS Detector	SOI detectors
P81	78 Toshihiko Sasaki	Application of a monolithic SOI pixel detector to evaluation of strength of industrial materials	SOI detectors
P82	93 Ryo Hosono	Improvements of Grating-based X-ray Phase Contrast Imaging with a Microfocus X-ray Source by a SOI Pixel Detector, SOPHIAS	SOI detectors
P83	101 Ryutaro Hamasaki	Linear mode reach through APD for X-ray imaging in 0.2μm SOI-CMOS technology	SOI detectors
P84	117 Keigo Yarita	Proton Radiation Damage Experiment for X-ray SOI Pixel Detectors	SOI detectors
P85	118 Kousuke Negishi	X-ray response evaluation in subpixel level for X-ray SOI pixel detectors	SOI detectors
P86	126 Ayaki Takeda	Design and Development of an Event-driven SOI Pixel Detector for X-ray Astronomy	SOI detectors
P87	127 Hideki Hayashi	Evaluation of Kyoto's Event-Driven X-ray Astronomical SOI Pixel Sensor with a Large Imaging Area	SOI detectors
P88	131 Sodai Harada	Investigation of Soft X-ray Performance of Kyoto's Event-Driven X-ray Astronomical SOI Pixel Sensor, XRPIX	SOI detectors

P89	138 Tomoki Kawabata	The ground experiment for development of Multi Image X-ray Interferometer Modules	SOI detectors
P90	148 Roma Bugiel	The general performance of source-follower and charge-preamplifier SOI pixel detectors	SOI detectors
P91	158 Miho Yamada	Compensation for Radiation Damage to SOI Pixel Detector via Tunneling	SOI detectors
P92	181 Takehiko Wada	A monolithic mid-infrared image sensor with SOI technology	SOI detectors
P93	187 Toru Tsuboyama	R&D status of SOI based pixel detector with 3D stacking readout	SOI detectors