27th International Workshop on Radiation Imaging Detectors

Ghent,
June 28 – July 2, 2026

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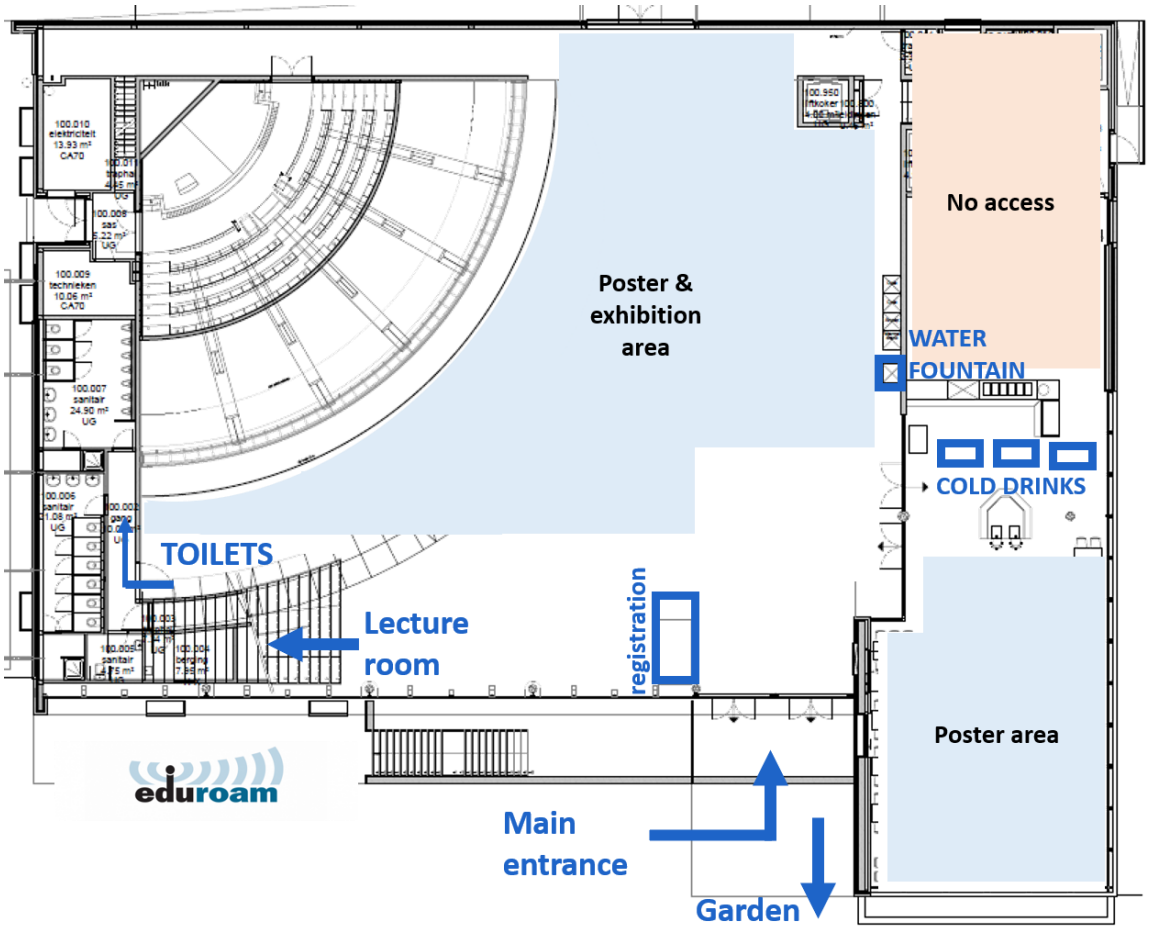
Welcome to the 27th International Workshop on Radiation Imaging Detectors



The campus garden is open for all public, and you are free to use it as well! Please don't forget to bring empty bottles and garbage back to the building when you return.

At this campus, eduroam is available. Attendees who have no access to eduroam can use the UGentGuest network:
login: guestIworid
password:

Reusable drinkwear

At the conference, we encourage you to use your reusable water bottle and coffee cup. A permanent marker is supplied in the goodie bag to tag your bottle and coffee cup, and a variety of stickers will be supplied for this purpose as well. You can also trade caps of the bottle to create a less common color combination for fast recognition.

Rest assured that all coffee cups have been rinsed with warm water by us before being put in the goodie bag.

Please note the water bottles should not be put in the dishwasher. As they are made from recycled PET, they tend to shrink in the dishwasher.

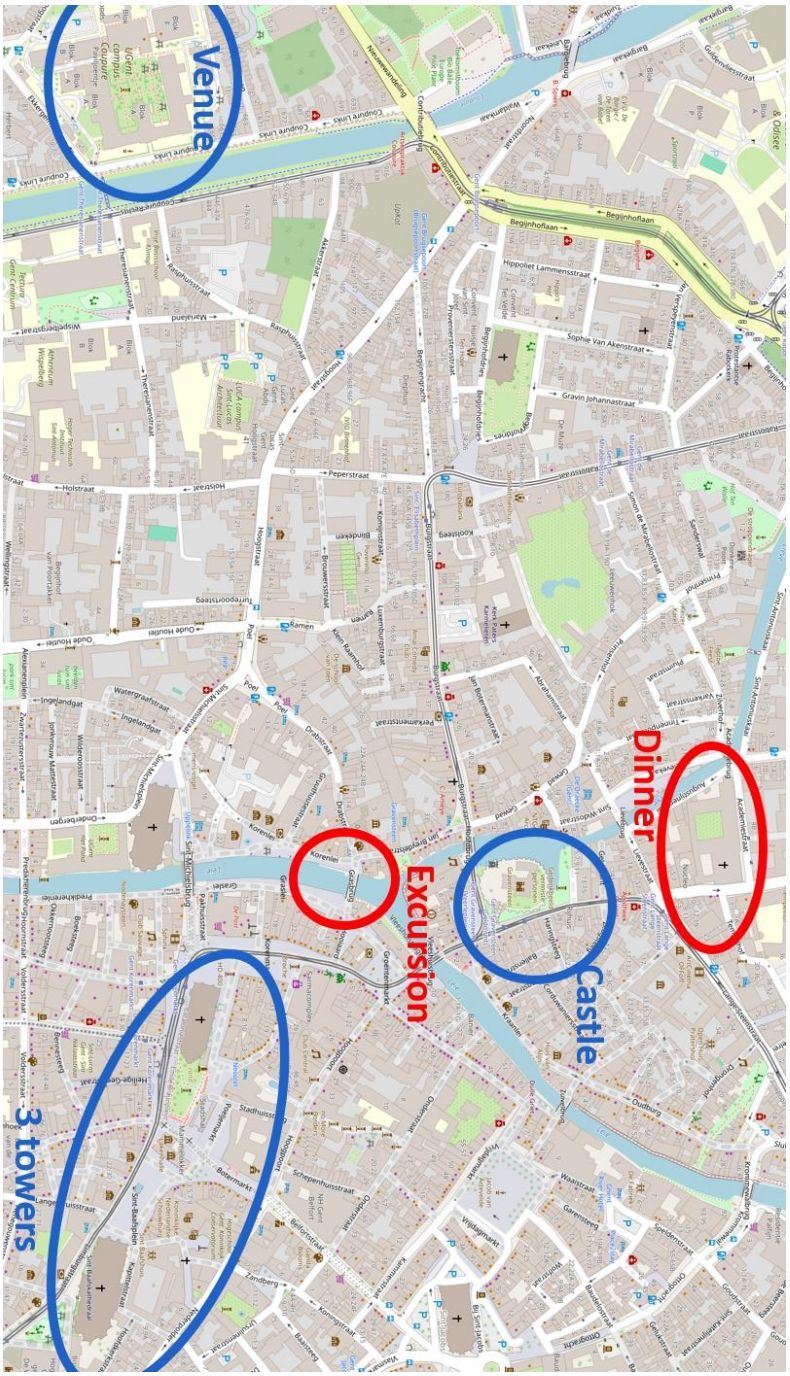
We hope both items will be of long use after the conference as well. If you do not intend to use them afterwards, feel free to return them: we will wash them and give them a second life by donating them to people who will use them.

The badge holders are reused from a previous conference and we hope to reuse them at later conferences as well. Please return them before you leave the conference in the dedicated box at the registration desk. Thank you!

Getting around in Ghent

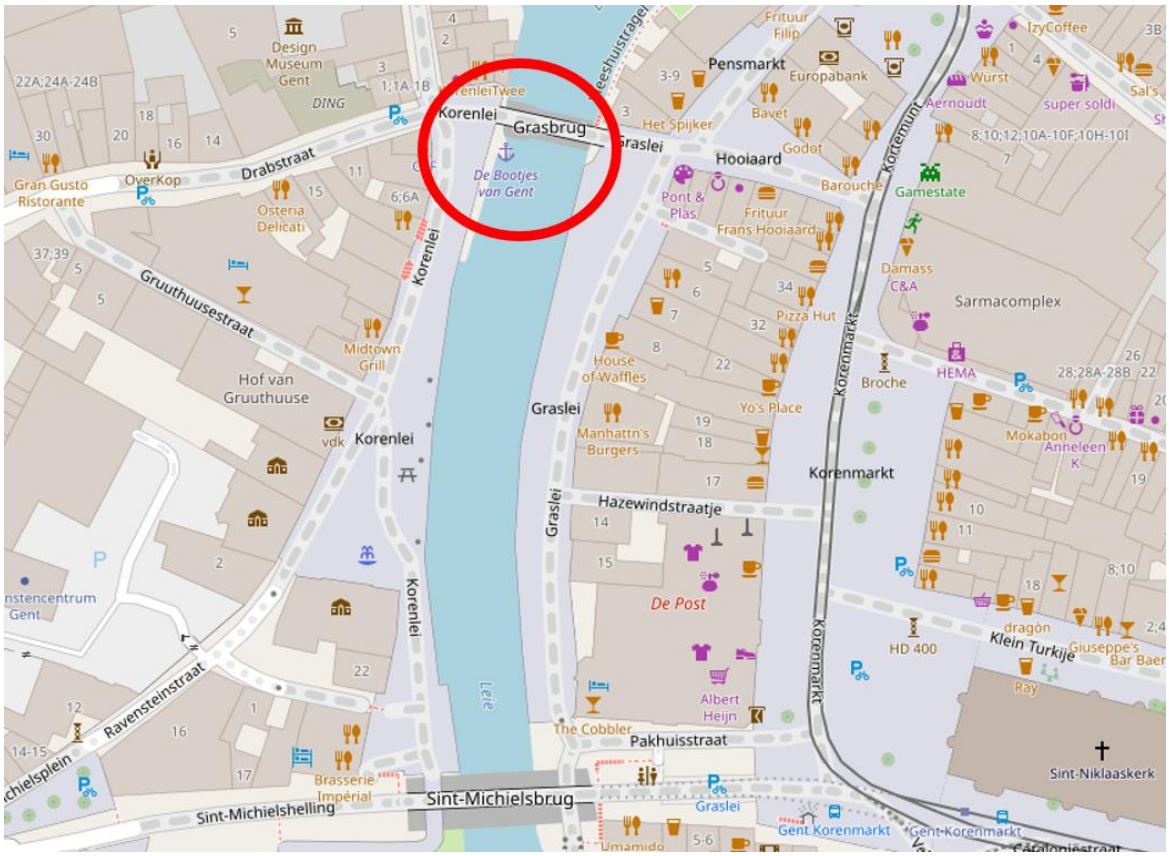
Ghent is a quite compact and very safe city. The venue is located just West from the historic center, which is dominated by the three towers, the castle and the Y-shape of the rivers *Lieve* and *Leie* (the *Lys*). The most easy way to get around in the city is on foot or by bike.

Public transport is available throughout the city and is serviced by De Lijn. Route planning and ticket purchase can be done on the website or through their mobile app.

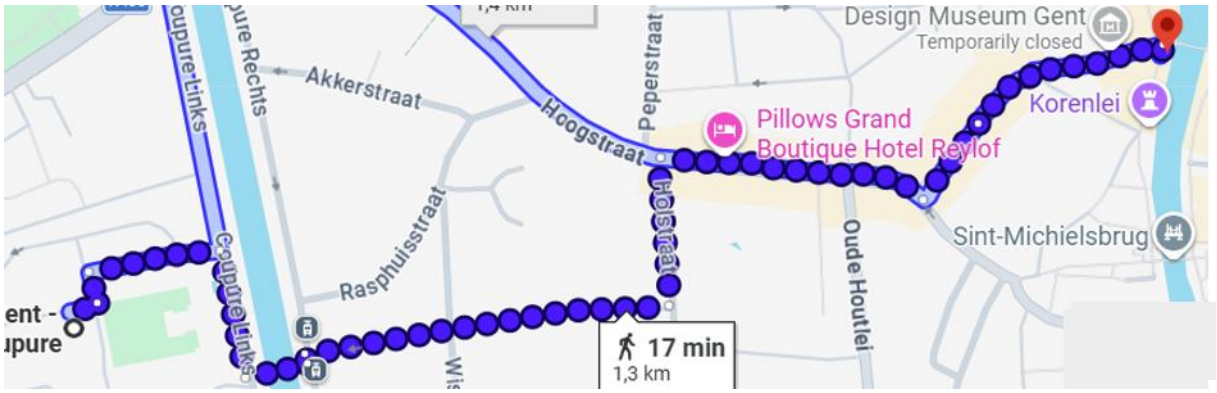


Monday excursion

We are expected at 18:00 (sharp!) to start our boat excursion at Rederij Dewaele. This is located at the corner of the *Korenlei* and the *Grasbrug* in the heart of the city.

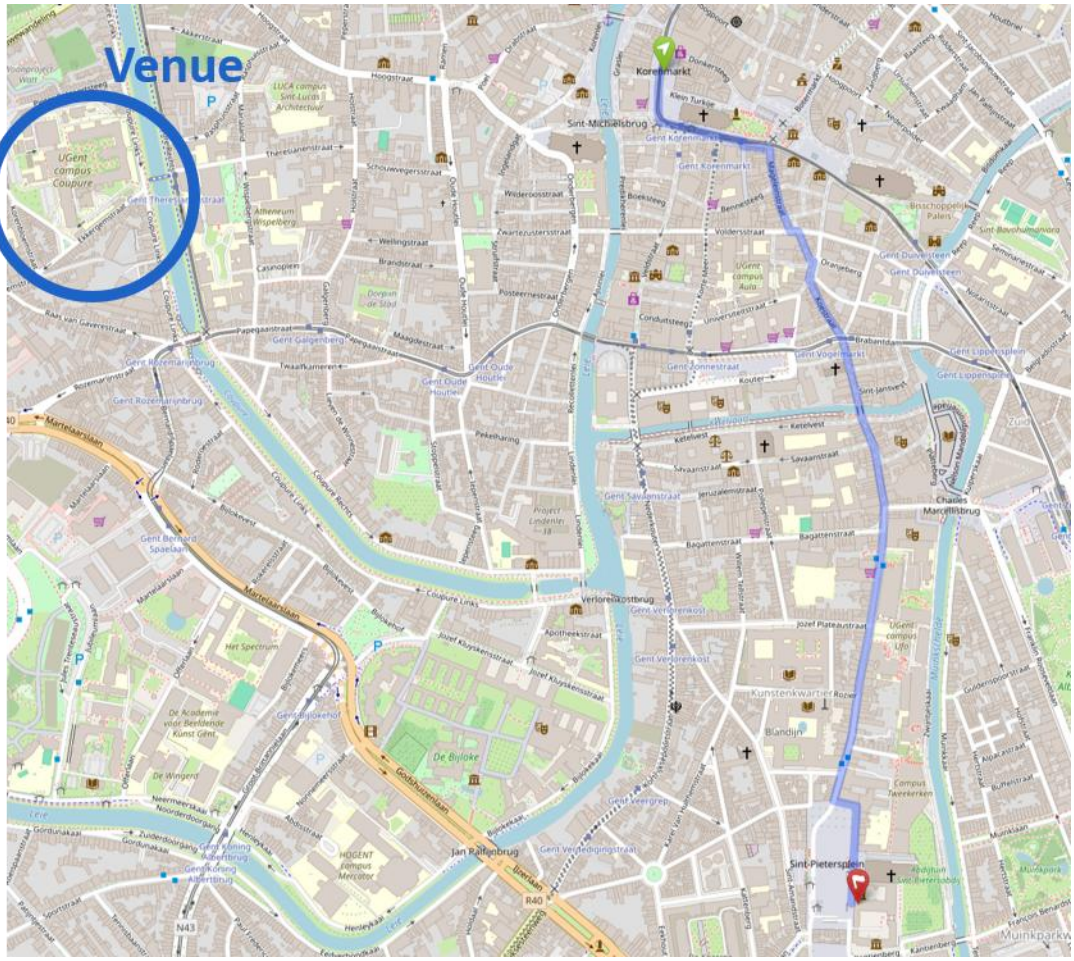


The best way to get there is on foot, which takes less than 20' from the conference venue.



Monday drink

The boat excursion will end at the Saint-Peter's Abbey. This is located at the *Sint-Pietersplein* (Saint Peter Square), a bit South of the city center, in the heart of the student area of Ghent. For those who do not join the excursion, the Abbey can still be reached easily on foot (~25' walk)



At the abbey, you will be able to enjoy the real Belgian "frietjes" (served from 19:30 until 20:30), together with a selection of Belgian beers for you to try. Be careful with the alcohol percentage in some of these beers.

Please note that the "alcohol-free" variation of specialty beers typically contain around 0.4% alcohol. True alcohol-free alternatives will also be provided, but are of course not the Belgian specialty.

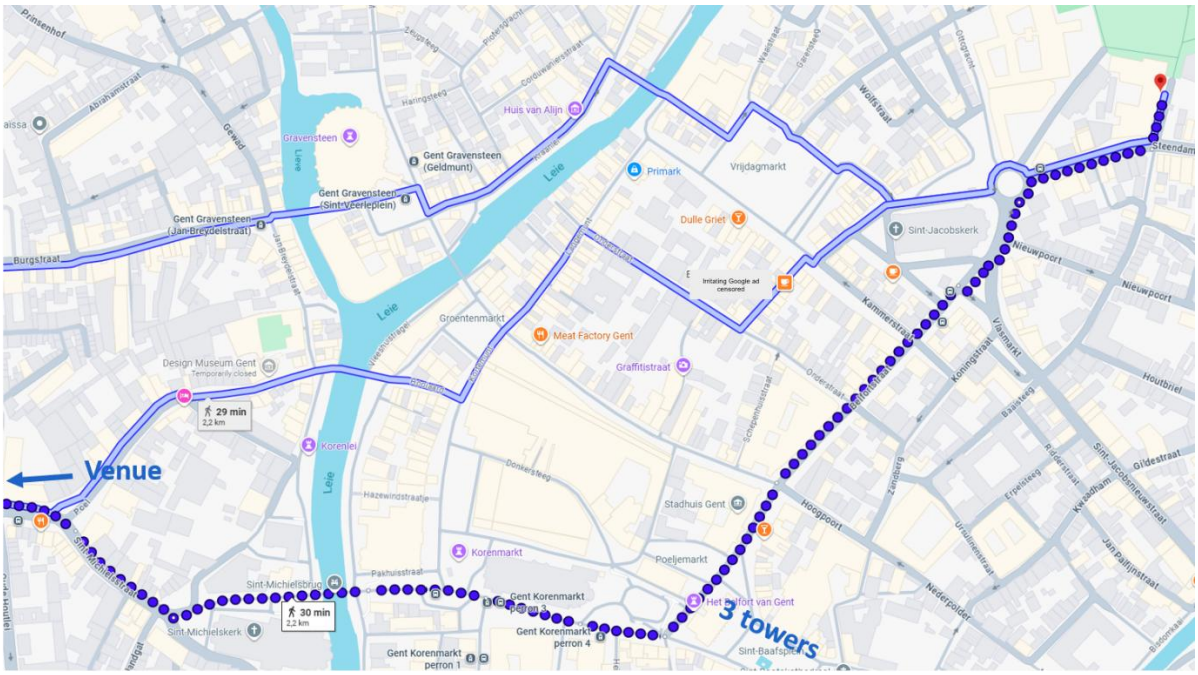
For those who are interested, the World Cup Round of 32 games will be displayed during this event!

Student activity

Students who indicated their attendance are welcomed at the Gruut brewery on Tuesday at 18:15. The brewery is located North-east of the historic center, at about 30' walking from the venue. After the last lecture, several local PhD students will assemble everyone in the Foyer and guide you towards the brewery.

On site, you will receive explanation about the brewery and be able to test some of their beers (students not drinking alcohol can taste their two non-alcohol beers), after which you will be able to have dinner there (included in the registration fee).

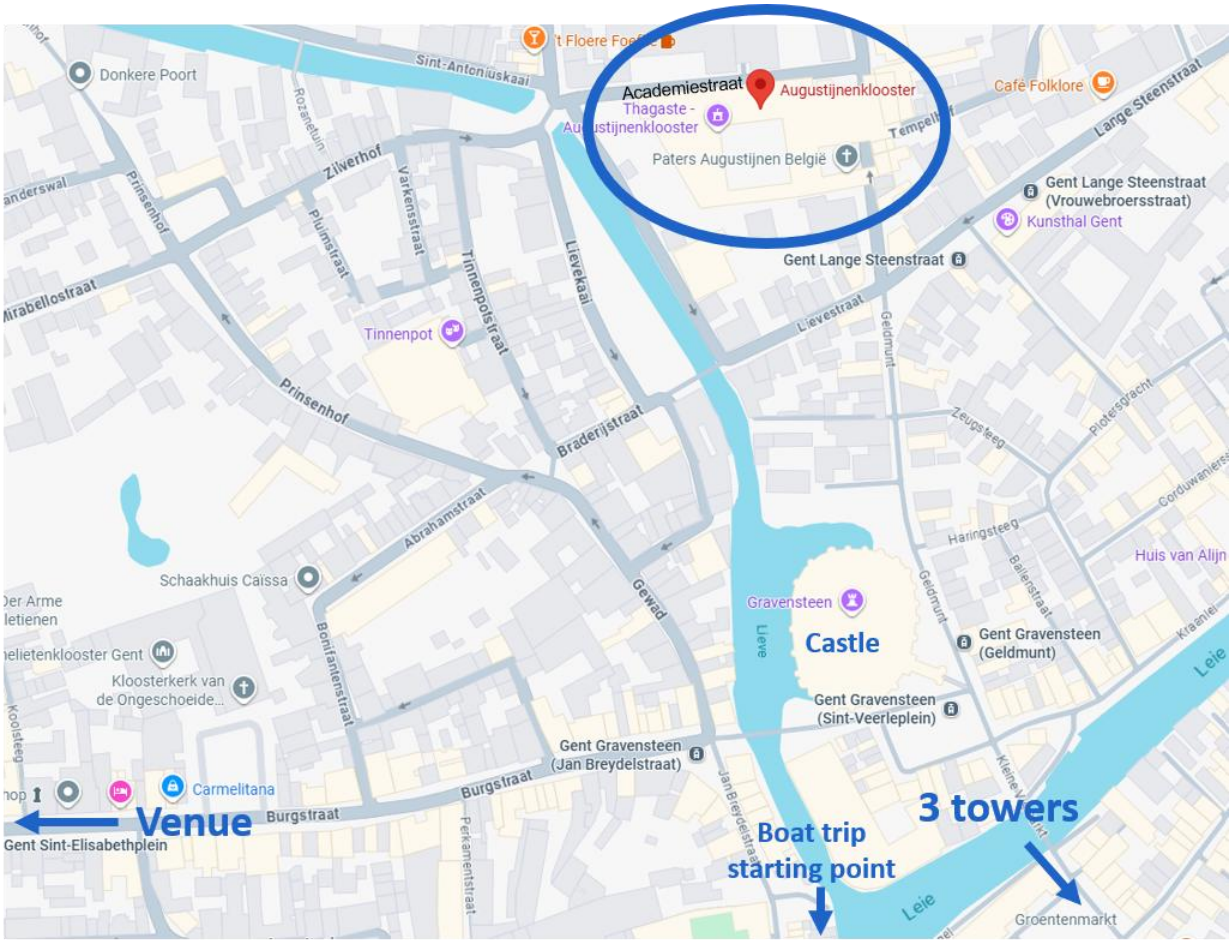
For those going on their own, the brewery is located in the *Rembert Dodoensdreef*



Gala dinner

The conference dinner will be held in the Monastery of the Augustinian Fathers, home to a magnificent library and to this day used by the Augustinians as a school for new Augustinians.

It is located on the North side of the city center, close to the Gravensteen (Castle of the Counts), as indicated in the map below. The entrance is at the North side, at the address *Academiestraat 1*. The doors will open at 18:30.



Workshop programme in a nutshell

	Sunday	Monday	Tuesday	Wednesday	Thursday
08:20		Registration + coffee			
08:30					
08:40					
08:50					
09:00		Welcome speech	Keynote C. Carloganu: *Imaging volcanoes with muons*	Keynote M. de Wit: *Transition Edge Sensors as X-ray spectrometers*	Keynote S. Cipiccia: *X-ray detectors for extreme ptychography*
09:10					
09:20		Keynote M. Campbelll: *History and applications of Medipix*			
09:30			Particles09: 319	Systems25: 421	X-rays34: 466
09:40					
09:50		ASICS01: 386	Particles10:320	Systems26: 345	X-rays35: 470
10:00					
10:10		ASICS02: 392	Particles11: 369	Systems27: 434	X-rays36: 352
10:20					
10:30		Break	Break	Break	Break
10:40					
10:50					
11:00		ASICS03: 358	Materials12: 409	Electronics28: 401	Characterization37: 326
11:10					
11:20		ASICS04: 475	Materials13: 463	Electronics29: 365	Characterization38: 453
11:30					
11:40		ASICS05: 406	Materials14: 324	Electronics30.: 419	Characterization39: 420
11:50					
12:00		Poster pitches	Materials15: 373	Poster pitches	Characterization40: 447
12:10					
12:20			Lunch		Closing remarks
12:30		Lunch		Lunch	
12:40					
12:50					Lunch
13:00					
13:10					
13:20					
13:30					
13:40			Keynote S. Seidel: *The DRD3 collaboration*		
13:50					
14:00		Keynote S. Vandenberghe: *Walk-through PET*		Keynote (speaker E. Goederer): *Photon-Counting CT in the clinic*	
14:10			HEP16: 436		
14:20					
14:30		Medical06: 441	HEP17: 442	Data Processing31 : 356	
14:40					
14:50		Medical07: 393	HEP18: 415	Data Processing32: 418	
15:00					
15:10		Medical08: 427	HEP19: 389	Data Processing33: 396	
15:20					
15:30		Poster session 1	Coffee break	Invitation iWoRID2027 & photo	
15:40				Poster session 2	
15:50					
16:00			Characterization20: 351		
16:10					
16:20			Characterization21: 445		
16:30					
16:40			Characterization22: 362		
16:50					
17:00			Characterization23: 484		
17:10					
17:20			Characterization24: 429		
17:30					
17:40					
17:50					
18:00	Registration	Social programme: excursion			
18:10					
18:20					
18:30				Social programme: Conference diner	
18:40					
18:50	Welcome reception				
19:00			Social programme: student activity		
19:10					
19:20					
19:30					
19:40					
19:50					
20:00					

List of oral presentations

Date	Id	Title	Presenter
29-Jun 09:20	500	A brief history of Timepix and Medipix: how hybrid pixel detectors spread from CERN to biology, materials science, hospitals, outer space, and even classrooms	Michael Campbell
29-Jun 09:50	386	ASIX: A Prototype ASIC with Cluster-Based Readout for X-ray Hybrid Pixel Detectors	Massimo Minuti
29-Jun 10:10	392	Compact readout processor for x-ray science hybrid pixel detectors	Paolo Lazzaroni
29-Jun 11:00	475	Edge structure optimization for N-type MAPS toward a high-performance medical imaging system	Jixing Ye
29-Jun 11:20	406	ePixUHR 35,000 frames per second: a 4 megapixel detector design with real-time data calibration for LCLS-II-HE	Dionisio Doering
29-Jun 11:40	358	A Low-Noise JUNGFRAU ASIC for Soft X-ray Detection with iLGAD Sensors	Viktoria Hinger
29-Jun 14:00	505	Walk-through PET-CT: a high-throughput and affordable PET-CT scanner	Stefaan Vandenberghe
29-Jun 14:30	441	Comparison of Charged Nuclear Fragment Characteristics of Carbon- and Helium-Ion Beams in Radiotherapy Monitoring	Victoria Schlör
29-Jun 14:50	393	New Time-Of-Flight Ion Computed Tomography System Based on Low Gain Avalanche Diodes	Felix Ulrich-Pur
29-Jun 15:10	427	ANNA: a Low-Power Integrated Analog Neural Processor for Scintillation Position Estimation in PET Detectors	Mattia Amadori
30-Jun 09:00	506	Advances and applications in muon tomography	Cristina Carloganu
30-Jun 09:30	319	Initial Tests of a Compact and Portable gRPC-based Muon Telescope in a Laser Wakefield Accelerator	Donya ahmadi
30-Jun 09:50	369	The Nuclear Imaging System at the National Ignition Facility	Sidney Ricketts
30-Jun 10:10	320	SOLARIS: a next-generation neutron tracker for solar missions – from simulation to hardware implementation	Dimitrios Papanikolaou
30-Jun 11:00	409	Ghosting and Lag in an Amorphous Selenium Detector for Laboratory Nano-CT	Harry Allan
30-Jun 11:20	463	Characterization of CdTe and GaAs Timepix4 detectors with monochromatic X-rays at SOLEIL synchrotron	Paolo Cardarelli
30-Jun 11:40	324	Further Characterisation of the Excess-Leakage-Current Effect in HF-CdZnTe	Ben Cline
30-Jun 12:00	373	Photo-Impedance Spectroscopy of CdTe and CdZnTe Detectors under Sub-Bandgap Illumination	Shunsuke Ueda
30-Jun 13:40	502	The DRD3 collaboration: R&D on semiconductor detectors for large-scale facilities	Sally Seidel
30-Jun 14:10	436	Development of CMOS monolithic active pixel sensors for the ALICE ITS3 and ALICE3 Tracker upgrades	Walter Snoeys
30-Jun 14:30	442	Development and Characterization of Sensors and Electronics for the ATLAS High-Granularity Timing Detector	Iskra Velkovska
30-Jun 14:50	415	“Particle Brain” – A Smart Detector Concept with Event-Driven Readout and Neuromorphic Processing	Dominik Gorni
30-Jun 15:10	389	Performance of the CMS Silicon Tracker in Run-3	Martin Delcourt

Date	Id	Title	Presenter
30-Jun 16:00	351	First results of the RIPTIDE fast neutron detector prototype	Claudia Pisanti
30-Jun 16:20	445	Detection sensitivity differences and specific tracking response to mixed-radiation fields by Timepix detectors bump-bonded with Si, SiC, GaAs and CdTe sensors	Carlos Granja
30-Jun 16:40	362	Evaluation of different thicknesses of chromium-compensated gallium arsenide sensors using photon-counting readout electronics	Juha Kalliopuska
30-Jun 17:00	484	Stability and Self-quenching of the Field-Focused Gain in 3D-Trench IMECAS	Gordana Medin
30-Jun 17:20	429	Magnetic scattering experiments with an ultrashort pulsed soft X-ray source using iLGADs	Leonid Lunin
01-Jul 09:00	413	Transition Edge Sensors as ultra-sensitive X-ray spectrometer for astronomy and laboratory physics	Martin de Wit
01-Jul 09:30	421	Optical camera with Timepix4 readout for single photon imaging	Ondrej Matousek
01-Jul 09:50	345	Towards Spectroscopic Imaging Detectors: Large Monolithic Arrays of SDDs	Marco Carminati
01-Jul 10:10	434	Application of laser ablation method in 3D shaping of detectors	Zuzana Melníková
01-Jul 11:00	401	Dynamic range extension of the JUNGFRAU detector	Vadym Kedych
01-Jul 11:20	365	Reconfigurable in-pixel neural network for time-of-arrival (ToA) estimation in X-ray detectors	Mateusz Jurczak
01-Jul 11:40	419	Precision Tracking with Capacitive Charge Sharing Resistive Micromegas for Future Detectors	Kacper Chmiel
01-Jul 14:00	503	History and developments in Siemens Healthineers photon-counting CT	Edgar Goederer
01-Jul 14:30	418	Online Serial Crystallography Classification at 35,000 frames per second with FPGA-Deployed Embedding Neural Networks	Luca Scomparin
01-Jul 14:50	356	Deep Learning-Enhanced Micrometer-Scale Spatial Resolution in Hybrid Pixel Detectors	Xiangyu Xie
01-Jul 15:10	396	Subpixel and DOI Estimation in CZT Detectors Enabled by Neural Processing for Real-Time Photon Detection	Matthew Exley
02-Jul 09:00	507	X-ray detectors for extreme ptychography, ranging from ultra-fast to lab-based	silvia cipiccia
02-Jul 09:30	470	Advances in the establishment of a Colour Imaging User System at NXCT featuring a large FOV 2 x 6 HEXITEC	Andrew Coathup
02-Jul 09:50	466	X-ray spectral micro-CT imaging with GaAs and CdTe Timepix4 hybrid pixel-detectors	Simone Velardita
02-Jul 10:10	352	New sensors R&D at DECTRIS with the Ermine ASIC for laboratory X-ray applications	Giuseppe Montemurro
02-Jul 11:00	453	Design review and performance of the FBK DC-RSD1 production.	Antonio Cassese
02-Jul 11:20	326	Evaluation of hybrid contacts a-Si:H detectors with X-ray beams	Benedetta Gianfelici
02-Jul 11:40	447	CdZnTe AGIPD detector characterization with 73 keV beam at Petra III	Debora Magalhaes
02-Jul 12:00	420	Spectral responsivity and photon quantum efficiency of p and n type LGAD sensors for UV, visible and IR light for photonic applications	Florent Dougados

List of poster presentation (Monday session)

Id	Title	Presenters
305	The detector system of the SHiP/NA67 experiment at CERN	Karam Kaspar
308	Development of SiPM-Based Scintillating Fiber Detector for FLASH RT and PT	Georgios Mystridis
312	High-Density Tileable 3D CdZnTe Detector Array	Ryan Parsons
314	The Role of Multiple Detector Technologies in Modern Security Systems	Jasmin Burke
315	Maximum-likelihood quantification of low-activity 225Ac and 134Ce samples using NaI(Tl) gamma counting spectroscopy	Youngho Seo
317	Real-time environmental radioactivity surveys with a UGV-mounted scintillator detector	Anna Mastroberardino
318	The CMS Inner Tracker Phase-2 Upgrade for the HL-LHC	Faiqa Bashir
325	Performance and Quality Control of the Inner Tracker Pixel Modules for the Phase-2 Upgrade of the CMS experiment	Martin Delcourt
328	Monte Carlo Analysis of Image Resolution in Fast Neutron Scatter Imaging for Heavy Particle Therapy	Dowon Lee
329	Deep Learning-Based Multi-Isotope Identification for Portable Low-Resolution Gamma-Ray Detectors Using 1D Convolutional Neural Networks	Konstantinos Karafasoulis
332	Detectability of flat-panel detectors at megavoltage x-ray energies	Seungjun Yoo
334	Effects of spatial and temporal detrending on the detective quantum efficiency of a photon-counting detector	Ho Kyung Kim
335	Radiographic performance assessment of amorphous silicon flat-panel X-ray detectors for industrial imaging	Seungjun Yoo
336	Characterization of a CMOS flat-panel detector for high-frame-rate imaging	Yoonsang Hong
339	CNN-based Dual-energy Backscatter X-ray Imaging for Material Discrimination	Geunyoung An
342	Simulated Tracer Detection Limits for Metal Jet Sources with Timepix3	Christoph Gaßner
343	A mixed fields investigation with a Timepix Detector at a medical accelerator	Wolfgang Treberspurg
349	Physics-Informed Deep Learning Approach for Enhanced Dose Assessment in Multi-Radionuclide Environments	Seo Yun Jang
354	Muon imaging for Geo-Archaeological Heritage: 3D Characterization of Underground Cavities in Two Italian Case Studies	Diletta Borselli
355	Spectacular - A Modular DAQ System for Microdosimetry	Matthias Knopf
366	Practical gamma-ray spectrometric assessment for Fukushima Daiichi Nuclear Power Station decommissioning using portable CeBr3 and LaBr3 spectrometers for in-situ and ex-situ applications	Yuta Terasaka
367	Count-rate characterization and first demonstration of dynamic plant imaging with a plant PET system	Michiko Tsuda
368	Feasibility study of secondary electron bremsstrahlung imaging with a knife-edge slit camera for range verification in carbon-ion therapy	Michiko Tsuda
370	Improving the reliability of radiation source visualization via integration of multiple three-dimensional map datasets combined with Compton-camera gamma-ray images	優樹 Sato
371	High count-rate SEB beam imaging for real-time monitoring in particle therapy using a GAGG:Ce detector and TOFPET2 ASIC	Mitsutaka Yamaguchi

List of poster presentation (Monday session, continued)

Id	Title	Presenters
372	Performance Enhancement of CANDU Spent Fuel Verification using Advanced Signal Processing Algorithms for the Improved Optical Fiber-based Verification System (IOVES)	Sung Woo Kwak
377	Development of a positron imaging unit for advanced plant research	Tomoyuki Ishiwatari
382	Run-3 Performance of the ATLAS Muon Spectrometer and Upgrades for the High-Luminosity LHC	Olga Zormpa
385	Non-invasive imaging of 11C-photosynthate translocation from the entire foliage to fruits in strawberry	Hiromi Nakai
390	The CMS CSC Electronics Upgrade and GEM-CSC Trigger for the HL-LHC	Isabelle De Bruyn
394	3D Reconstruction of Anatomical Changes for Monitoring in Carbon-ion radiotherapy (CIRT): Applying Deep-Learning Based Image Classification to Filter Regions of Interest	Patrice Schlegel
395	Image reconstruction for a sparse-view rectangular CT system integrated with a dual-flat panel PET system	Robine Janssen
397	Reconstruction of Non-Uniformly Sampled CT Data for the Walk-Through PET/CT	Boris Vervenne
405	Characterisation and application of a multi-scale, multi-detector, lab-based x-ray phase contrast micro-CT system, implemented as part of a user facility	Connor Darling
408	Charge sharing analysis of an iLGAD sensor for low X-ray energy experiments at the European XFEL	Philip Pfaefflein
410	Ageing and Calibration of Optical Components in the ATLAS Tile Calorimeter	Tadeas Petru
417	Development of the DSSC Single Module (DSSCsm) Detector for EuXFEL High-Rate Soft X-ray Applications	David Lomidze
423	Phantom-Free Geometry Calibration for Cone-Beam Computed Tomography Using Bayesian Optimization	YOUNGHWAN LIM
424	Experimental results of a directional radiation monitoring system using the DOI method	Yong Hyun Chung
425	Development of pixelated scintillator arrays for the SMILE-3 project	Haruki Iiyama
430	Theoretical and Empirical Evaluation of Repeated-Measures Designs in Plant RI Tracer Experiments	Yuta Miyoshi
435	In-vivo monitoring in carbon-ion radiotherapy via tracking of charged nuclear fragments: Investigation for superficial changes	Laura Luisa Scholl
437	Laser-Driven Muons for Imaging: Source Development at High-Power Laser Facilities	Anna Cimmino
444	Time-of-Arrival filtering in x-ray imaging using a novel compact ICS source	Matthieu Boone
455	The Endcap Timing Layer of the CMS Minimum Ionising Particle Timing Detector	Jens Erik Brucken
457	FPGA-based muon shower identification and graph neural network tracking algorithms for HL-LHC triggers	Daniel Estrada
459	Preliminary assessment of portable HPGe shielding for low-energy uranium verification in decommissioning	Kyung Taek Lim
461	Multi-element monitoring system for plant physiology using ultra-compact GAGG gamma-ray detectors	Nobuo Suzui
462	High-Speed and High-SNR X-Ray Imaging with Timepix2 Detectors	Jiri Volny

List of poster presentation (Monday session, continued)

Id	Title	Presenters
461	Multi-element monitoring system for plant physiology using ultra-compact GAGG gamma-ray detectors	Nobuo Suzui
462	High-Speed and High-SNR X-Ray Imaging with Timepix2 Detectors	Jiri Volny
464	Usage of Timepix3 and Timepix2 based photon counting detectors in X-ray diffraction	Jiri Volny
465	Result of the characterization of PERCIVAL detector for Soft X-ray Imaging	Mohammad Heidari
467	Shaping the Beam, Shaping the Image: Impact of Mask Geometry on Hyperspectral Phase-Contrast X-ray Imaging	Ralf Hendrik Menk
468	The DIOMEDES project: next-generation decay spectroscopy at FAIR-DESPEC	Stefano Capra
472	Tracking of secondary ions as a dose-free assessment of carbon-ion radiotherapy delivery – recent clinical results	Maria Martisikova
473	ColorPix-3: A Step Forward in Advanced Spectral X-ray Imaging	Jan Broulim, Karolina Lavickova
476	Integrated Photon-Counting CT Using an Americium-241 Source in the easyPET Multimodal Imaging System	Regina Oliveira
481	Energy dispersive X-ray diffraction as a novel tool for microstructural imaging of macroscopic biological samples	Jan Jakubek
485	Energy-resolved elemental tomography with a 2D-THCOBRA-based MPGD	Ana Luisa Monteiro Da Silva
486	Electrical Characterization, Parameter Extraction, and Radiation Response of aSi:H and Crystalline Silicon Photodiodes	Ali Khalilzadeh
487	LET measurements of proton and helium-ion beams towards optimized radiation therapy based on silicon pixel detectors	Tim Gehrke
489	Tomographic reconstruction of radioactivity with Coded Aperture γ-camera	Ioannis Kaissas
491	Performance of a CdTe Photon-Counting Detector DC-THOR.10G for High-speed X-ray Imaging of Dynamic Processes at Intermediate Strain Rates	Tomas Fila
492	Energy-dispersive X-ray diffraction for studying physical processes in a metals	Pavel Zabrodin
495	Characterisation of Monolithic CMOS Sensors for X-ray Imaging in Space and Medical Applications	Sami Ullah Khan
498	Fast Time-Resolved MicroCT with a Large-Area CdTe Detector at Mogno beamline: Gap Compensation Approaches and Applications	Aluizio Jose Salvador
504	Investigation of attenuation induced spectral features in HEXITEC detector measurements	Karel Desplenter

List of poster presentation (Wednesday session)

Id	Title	Presenters
306	Fast-Neutron Spectrometry with Diamond Detectors for Fusion Diagnostics: KSTAR Experiments and Prospects for Imaging	Youngseok Lee
316	Characterization of the First Prototype of HEROC: An Analog Readout ASIC for Position Sensitive Helium-3 Tube Neutron Detection Applications	任佳义 Jiayi REN
321	Overview of the HL-LHC CMS outer tracker upgrade and lessons learned from 2S module production	Fengwangdong Zhang
322	Continuous imaging at 150 kframe/s: development of the CoRDIA detector	Alessandro Marras
323	Development of a highly granular silicon–tungsten electromagnetic calorimeter prototype for the LUXE experiment	Veta Ghenescu
330	Directional Localization of Gamma-Ray Sources Using a Compact CZT Detector Array and Gradient-Boosted Decision Trees	Konstantinos Karafasoulis
331	Prototype Design and Characterization of HouYi, a Burst-mode Charge-Integration Readout Chip for High-Z Pixel Detector	Chenzhuo Chang
333	Performance Optimisation of SiPMs for the LHCb SciFi Tracker Towards Upgrade II	Esteban Curras Rivera
337	Development and Experimental Evaluation of a Cost-Effective Compact 4π Gamma-Ray Imager	Yoshiharu Kitayama
338	Scatter-Informed Initial Estimate for Enhanced Early-Iteration SPECT Image Reconstruction	Ritesh Verma
340	Centroiding Strategies for Timepix4 in Electron Imaging Resolution Studies	Nina Dimova
341	Development and Long-Term Performance Evaluation of a Compact Particle Detector for Muon Imaging	S. Ikram
344	Parameter Optimisation and Spectral Performance Analysis of the HEXITEC 6×2 Detector	Alhanouf Alrwais
346	Memristive tabular variational autoencoder for compression of analog data in high energy physics	Tae Min Hong
347	Alpha particles imaging with zero-dimensional halide perovskite scintillator	Chihaya Fujiwara
348	Electronic Thinning method for Spatial Resolution Enhancement in Hybrid Pixel Detectors for Electron Microscopy	Junjiang Liu
350	Comparative Study of a Fast Charge-Sensitive Amplifier Operating in Single-Photon-Counting Mode in Planar CMOS and FinFET Technologies	Jakub Miszczynski
353	Characterization of the DECTRIS JUNGFRAU 8-Chip Module and integration into a Multi-Module Detector System	Filippo Baruffaldi
357	Design of an adaptative readout prototype for monolithic CMOS trackers at LHCb	Mostafa Mahmoud Cherif
360	Alpaka-based Pixel Digi-Morphing for Radiation Damage Mitigation at the CMS HLT	Chirayu Gupta, Saranya Nandakumar
361	Efficiency of the Microstrip Silicon Detector in the FOOT experiment	Sofia Mazzolani
363	Nanowire-Based Thermal Interconnects for Enhanced Thermal Management in High-Density Silicon Pixel Modules	Julian Weick
374	Quantitative Wave-Optics Modeling of Dark-Field X-ray Imaging with Multi-slice Refraction and USAXS	Sunghoon Choi

List of poster presentation (Wednesday session, continued)

Id	Title	Presenters
376	Low-dose X-ray image quality assessment of a CdTe-photon counting detector with a denoising method	Bo Kyung Cha
378	Improving spatial resolution of rectangular charge-integrating iLGADs using the η-algorithm	Saverio Silletta
379	R&D and performance studies of improved RPC detectors for the CMS muon system upgrade at HL-LHC	Giulia Giannandrea
380	Improvement in detection sensitivity of indirect X-ray detectors by adding 2-dimensional nanoparticles to PM6:Y6 organic photo-conversion layer	Jiho Lee
381	Calibration of the DSSC Camera at the European XFEL	Charles Townsend-Rose
383	Imaging performance of thin Gd-based powder scintillator screens for high-resolution and fast X-ray imaging application	Bo Kyung Cha
384	Fundamental characteristics of $CsPbX_2Cl$ Perovskite Dosimeters for Quality Assurance in High-Dose-Rate Brachytherapy	Yohan Shin
387	Characterization of Charge-Sharing Distributions with Subpixel Resolution in Si and CdTe Sensors Using a Single-Photon-Counting Pixel Detector with Charge-Sharing Compensation	Miroslaw Zoladz
388	Characterization of a photon counting detector for tender X-ray energies	Marie Andrae
398	Different contact metallizations in detector based on a thick 4H-SiC epitaxial layer	Bohumir Zatko
400	Extending the Linear Dynamic Range of the JUNGFRAU 1.2 ASIC in Electron-Collection Mode for High-Z Sensors	Jonathan Mulvey
402	N-LGADs for The Detection of Charged Particles & Low Energy Photons	Ashish Bisht
403	Low energy neutron spectrometry with Timepix3 SiC detectors	Matej Balušík
404	Temperature Compensation Method for X-ray Spectrometry Using Timepix3 Detectors with Katherine Readout for Various Sensor Materials	Nikola Kurucová
407	Image Processing Based Particle Discrimination with a Digital Autoradiography System Using Thin Film Scintillators	Hannah Patz
411	Pushing the Lower Energy Boundary of HPC Detectors at DECTRIS	Sonia Fernandez-Perez
414	Irradiation Studies and Design Optimization of the ATLAS Tile Calorimeter for the High-Luminosity LHC	Robert Astalos
422	Noise-Adaptive Slice-Thickness Filtering for Digital Tomosynthesis Reconstruction	YOUNGHWAN LIM
426	Results from the GIF++ Long-Term Study of Eco-Friendly Gas Mixtures for RPCs	Donya ahmadi
428	Advanced Defect Mapping and Transient Current Analysis of CdTe Radiation Detectors	Matti Kalliokoski
431	Matterhorn – a single photon counting detector for diffraction-limited light sources	Erik Fröjdh
432	Development progress of HYLITE, a charge-integration pixel detector readout chip for XFEL	Mujin Li
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440	Study on the Improvement of Detection Sensitivity According to Changes in Carrier Mobility of an Indirect X-ray Detector with Perovskite Photo Conversion Layer	Jibum Kim
443	Charge collection investigation for precise spectrometry of high energy heavy charged particles by Si-Timepix2 detector	Andrea Sagatova
446	Evaluation of a hybrid pixel array detector for low-energy X-ray detection under high-throughput acquisition conditions	Tomonao Inoue
448	X-ray TCT Mapping of high-flux CdZnTe sensors at PETRA-III	Debora Magalhaes Suarez
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450	Spectral imaging response of Silicon Carbide on Timepix3 detector to 14 MeV neutrons at varying sensor biasing	Katarína Foss
451	The CMS GEM Program: GE1/1 Detector Performance and Path Toward the ME0 Upgrade	Karam Kaspar
458	The upgrade of the CMS Electromagnetic Calorimeter for HL-LHC	Davide Cristoforetti
469	ASCANIO, a custom XRF detector in backscatter geometry based on 4 monolithic SDDs.	Jan Garrevoet
471	Accelerated Neutron CT Reconstruction Using the Dykstra-Like Splitting with Proximal Minimization Trick (DLPM) Algorithm	Heejeong Kim
474	Numerical Investigation of a Frequency-Domain Measurement Method for Evaluating Scintillation Decay Time Constants under Modulated X-ray Excitation	DAICHI SATO
477	Simulation of a Compton Camera based on a Gaseous Detector	Afonso Correia
478	Development of a radio-pure continuous-time feedback device for high-resolution charge-sensitive pre-amplifiers by means of in-house chemical chip rework	Stefano Capra
479	Pumping mechanism studies for polycrystalline diamond	Marta Baselga
480	Data-driven gain calibration of SiPM-based $LaBr_3$:Ce detectors via prompt X-ray flashes in the FAMU experiment	Stefano Capra
483	Unipolar Charge Sensing a-Se Detector Structure	Ahmet Çamlıca
488	Radiation induced improvement of Timing Performance in 3D Si Devices	Gordana Lastovicka Medin
490	A High-Resolution Frequency-Division-Multiplexed Single-Photon-Counting ROIC for X-Ray Imaging	Ahmet Çamlıca
494	Prototype of Ultra-Low-Power Readout Electronics for the Large Area 3He Tube Array Detector at China Spallation Neutron Source	Weigang Yin

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