Phose2023
Workshop on "Photodetectors and sensors for particle identification and new physics searches"

Francesca Di Lodovico (King's College of London) Michael Doser (CERN) Alberto Gola (FBK)
Kenji Inami (Univ. Nagoya) Rok Pestotnik (Jožef Stefan Institute) Ezio Torassa (INFN Padova)
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Event summary

November 22	8:30 am - 18:25 pm	Room 31/3-004 Amphitheatre	20 talks
November 22	8:30 pm	Luigia Accademy	social dinner
November 23	9:00 am - 13:20 pm	Room 31/3-004 Amphitheatre	further discussions

MCP-PMT developments for PANDA	*Albert Lehmann*	MCP-PMT session
31/3-004 - IT Amphitheatre, CERN	08:45 - 09:10	
MCP-PMT R&D and quantum efficiency lifetime measurements remote	*Kenji Inami*	
31/3-004 - IT Amphitheatre, CERN	09:10 - 09:35	
Development of hybrid single-photon detector based on microchannel plates and the Timepix4 ASIC remote	*Massimiliano Fiorini*	
31/3-004 - IT Amphitheatre, CERN	09:35 - 10:00	
Characterisation of LAPPDs for RICH applications	*Rok Pestotnik*	Large area picosecond photodetector
31/3-004 - IT Amphitheatre, CERN	10:00 - 10:25	
Photosensors for the Hyper-Kamiokande experiment OD system	*Francesca Di Lodovico*	Photosensors for new physics
31/3-004 - IT Amphitheatre, CERN	10:25 - 10:50	
Coffee break		
31/3-009 - IT Amphitheatre Coffee Area, CERN	10:50 - 11:10	
3" PMTs for Hyper-Kamiokande mPMTs	*Aurora Langella*	
31/3-004 - IT Amphitheatre, CERN	11:10 - 11:35	
NUV-Sensitive radiation hardness silicon photomultiplier technologies developed at FBK	*Alberto Gola*	Rad. hard. SiPM dev.
31/3-004 - IT Amphitheatre, CERN	11:35 - 12:00	
Characterisation of SiPM at cryogenic temperatures	*Marco Guarise et al.*	SiPM cryogenic
31/3-004 - IT Amphitheatre, CERN	12:00 - 12:25	
Development of integrated housing for SiPM for future RICH detectors	*Roberta Cardinale*	SiPM detector integration
31/3-004 - IT Amphitheatre, CERN	12:25 - 12:50	
SiPMs test for the dual RICH detector at the at the future Electron-Ion Collider	*Roberto Preghenella et al.*	SiPM for EIC
31/3-004 - IT Amphitheatre, CERN	12:50 - 13:15	
Lunch Break	13:15 - 14:20	

Single-photon Cameras for Quantum Imaging Applications — *Prof. Edoardo Charbon*
31/3-004 - IT Amphitheatre, CERN — 14:20 - 14:45

SiPMs for Belle II ARICH — *Dania Consuegra Rodríguez*
31/3-004 - IT Amphitheatre, CERN — 14:45 - 15:10

Characterization of irradiated SiPM for the TOP detector at the Belle II experiment — *Jakub Kandra et al.*
remote
31/3-004 - IT Amphitheatre, CERN — 15:10 - 15:35

R&D for a TOF-like KLM in Belle II upgrade and a muon detector of CEPC based on SiPM and scintillator
Dr Wang Xiaolong
remote

Coffee Break
31/3-009 - IT Amphitheatre Coffee Area, CERN — 16:00 - 16:20

Recent progress in organic semiconductor/polymer blend films for OFETs — *Elisabetta Colantoni et al.*
31/3-004 - IT Amphitheatre, CERN — 16:20 - 16:45

SiPM studies for the ECL calorimeter of the Belle II detector — *Stefano Moneta et al.*
31/3-004 - IT Amphitheatre, CERN — 16:45 - 17:10

Silicon Photomultipliers for calorimetric applications — *Andrea Falcone et al.*
31/3-004 - IT Amphitheatre, CERN — 17:10 - 17:35

Quantum sensors for particle identification at HEP — *Michael Doser*
remote
31/3-004 - IT Amphitheatre, CERN — 17:35 - 18:00

Performance of sensor module prototypes for the CMS Barrel Timing Layer — *Martina Malberti*
31/3-004 - IT Amphitheatre, CERN — 18:00 - 18:25

Quantum imaging

Belle II SiPM PID

Organic FET

SiPM Calorimetry

Sensors

Coffee breaks

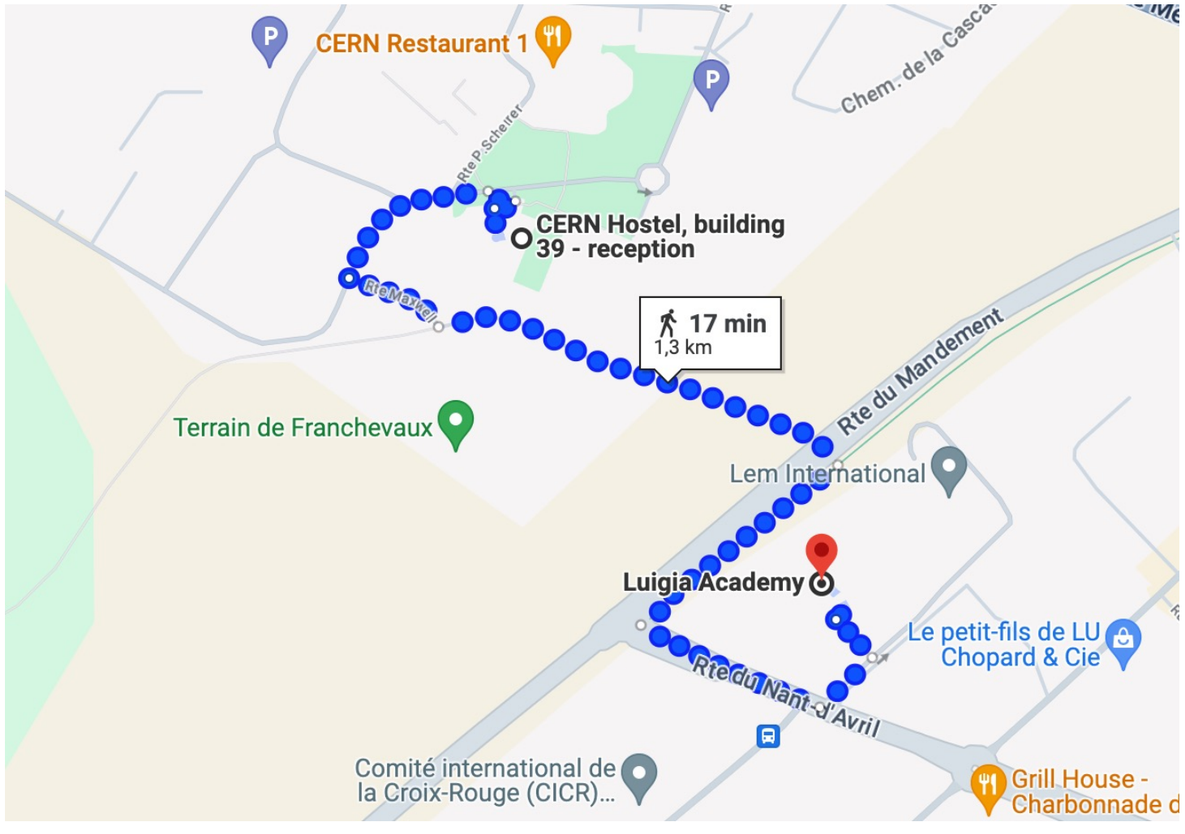
We have 20’ breaks
Will be served in:
31/3-009 Amphitheater Cofee Area

Lunch break

We have 1h 05’ break
Restaurant 2 is the closer to the workshop venue

Social Dinner

Please sign the survey
if you wish to participate



Publications

This workshop is an opportunity to compare results of similar or related studies.

Some analysis are probably preliminary, and 25 min are not enough to describe everything. It is important to publish in open access journals to provide more details, get deliverables for our EU projects and new references for future projects.

Every journal with a professional review process is a good choice. Some of us are editor of journals and can provide good APC (article processing charges) conditions.

Michael Doser	Editor of Journal of Advanced Instrumentation in Science http://journals.andromedapublisher.com/index.php/JAIS
Christian Joram Peter Križan	Editor or advisory EB of Nuclear Instruments and Methods https://www2.cloud.editorialmanager.com/nima
Ezio Torassa Francesca Di Lodovico	Editors of the special issue of MDPI Sensor «New developments photodectors and sensors for PID» https://www.mdpi.com/journal/sensors/special_issues/K01A7TJ4ZI

Ask the information you need and try to publish within few months.