PRISMA+ SCHOOL 2022

Photon Detection and FPGAs in Particle Detectors

Mainz, 26 – 30 September 2022

The School addresses master students, Ph.D. students, and postdoctoral researchers aiming to work with particle detectors based on photosensors and FPGAs.
It will introduce the concepts and technologies including light creation, propagation and detection as well as the associated electronics for signal acquisition.

School program

Morning sessions will consist of lectures, which cover the fundamentals and prepare for the afternoon laboratories. Working in small groups, the participants will get acquainted with the subjects through practical exercises: Silicon Photomultiplier characterization, FPGA programming and cosmic-ray muon detection.

Local Organizers and Instructors

Niklaus Berger, Andrea Brogna, Victoria Durant, Uwe Oberlack, Stefan Schoppmann, Hans Steiger, Quirin Weitzel, Michael Wurm | JGU Mainz, PRISMA+ Cluster of Excellence

Invited Speakers

Albert Lehmann | University Erlangen-Nürnberg
Lars Schmitt | FAIR GmbH

Further Information

https://indico.mitp.uni-mainz.de/event/310
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PRISMA+ Cluster of Excellence
Precision Physics, Fundamental Interactions and Structure of Matter

Mainz Physics Academy

HIM Helmholtz-Institut Mainz

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