Contribution ID: 23

Instrumentation development for medical applications using Silicon Photomultipliers

We are actively developing an instrumentation solution involving Silicon Photomultipliers and different scintillation materials in order to detect very low activity natural isotopes. The application aims to further the field of medical physics, bringing a cheap alternative to expensive imaging techniques such as MRIs. As part of our team you, together with a supervisor would be responsible with designing your own experiment and the data acquisition and analysis tools needed to extract physics results.

Group

 DET_Z

Project Category

A1. Solid-state physics and nanoscience

Special Qualifications

Python language knowledge Basic Solid State Physics knowledge

DESY Site

Zeuthen

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