
Future experiments on hypernuclei γ-spectroscopy at FINUDA@DAFNE and PANDA@FAIR require the operation of germanium detectors in high magnetic fields (B ≈ 1 T) and under high particle and γ fluxes. The performance of germanium detectors in such an environment has not been well investigated.

To verify that germanium detectors can be safely and efficiently operated in a high magnetic field two different kind of detectors have been investigated: the EUROBALL cluster detector and the VEGA detector.

Result on the energy resolution from a pulse shape analysis using a moving window deconvolution algorithm will be presented.

The energy resolution as a function of the magnetic field strength will be discussed and compared to the resolution obtained without pulse shape information.

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