

# Coincidence spectra evolution with delay between gamma spectrometer and its veto shield

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- Two low-background, gamma-ray spectrometers with digital data acquisition systems have been designed and developed at IFJ PAN
- Event-by-event data registration along with 4 ns time resolution allow to investigate coincidences between germanium detectors and its veto shield
- Coincidences time delay distributions can be divided into several distinctive regions
- Differences both in shape as well as contribution of spectra lines induced by interaction of cosmic rays with spectrometer construction materials are observable in coincidence spectra for different coincidence windows

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