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Utilization of prompt gamma-ray spectroscopy using segmented gamma detectors in experimental setups

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High resolution gamma-ray spectroscopy is one of the powerful tools in the field of experimental nuclear research, and has been extensively utilized to study innumerable aspects of nuclear structure and reaction dynamics. Large array of Gamma detectors consisting of different types of segmented HPGe detectors holds the future of Gamma-ray spectroscopy measurement technique in the upcoming experimental setups. The present research work is aimed to study the fundamental characteristics of typical gamma-ray detectors. The detailed results obtained during the short-term research project work under the JINR INTEREST (INTERnational REmote Student Training) program by the participating students from different countries under my supervision will be reported during the conference.

Summary

Presenter: DEY, ANIRUDDHA

Session Classification: Section Talks

Track Classification: Sectional talks: FLNR