

Abstract Submitted
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Testing and classification of various silicon detectors¹ EDWARD WUNDER, Mississippi State University — In order to truly understand the techniques used in nuclear physics experiments and radiation detection, it becomes necessary to explore the basic interactions between the energy quanta and the detector itself, the way in which the detector signals and captures this energy, the methods of electronic signal processing, and, finally, the analysis of the data recorded during the testing. In my research, I explored three different types of silicon detectors, focusing on the most often used categories for classification and the tests used to get the results.

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