
NEW DEVELOPMENTS IN HPGE DETECTORS FOR HIGH RESOLUTION GAMMA DETECTION

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High-purity Germanium (HPGe) detectors continue to be a fundamental tool in nuclear gamma spectroscopy. New techniques for the tracking of the gamma interactions inside the HPGe crystals, are opening a new era in the use of these detectors for both basic science and applications, but they have also shown that it is necessary new R&D for the production of even better and more reliable high segmented detectors.

In the present work we present recent results obtained in the framework of a multidisciplinary research program in HPGe detector technologies and we discuss the influence of these studies on the use of HPGe detectors.