# MODELING AND SIMULATION OF GE:GE DETECTOR CHARACTERISTICS FOR ASTRO-F/FIS

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Various kinds of detector effects affect the quality of the signal obtained from the detector. In order to correct the signal exactly, we need to analyze the characteristics of the detector and simulate various detector effects. In this presentation, we will show the model result using laboratory data of unstressed Ge:Ga detectors for the ASTRO-F/FIS and the simulated data sets. Especially we applied Lari model to glitch transient and source transient effect. Using the simulator, we will discuss the effects of cosmic-ray hitting, transient and crosstalk of detectors, and propose an appropriate methods for the data reduction.