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# Beam Based Alignment of High Intensity Gamma Source (HIGS) targets at Duke University Free Electron Laser Lab

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In order to rapidly and precisely align and image objects and other experimental targets which are placed in the path of gamma rays, a gamma ray imaging system was designed, fabricated and successfully utilized. Major components of this system consist of a scintillation crystal plate, and a CCD camera. A spatial resolution of a 0.5 mm was achieved with this system.
In this article, detail design and applications of this system will be reviewed and analyzed.

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