

## Investigation of silicon photo sensor properties for scintillator detectors.

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The aim of the present work is the creation a prototype of anticoincidence system for gamma-telescope "GAMMA-400". The detector is developed on the basis of plastic scintillator and silicon photomultipliers. This work is focuses on research of the characteristics of silicon photomultipliers SiPM company SensL, type 60000. In frame of project the assembly for measuring of the photomultiplier characteristics was created. The characteristics were determined such as the linearity, boundary of saturation, the time resolution. The final stage of work was the integration of the prototype of anticoincidence detector.

### Presentation type

Poster

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