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Large-Area SiPM Pixels (LASiPs) in SPECT

We developed a Large-Area SiPM Pixels (LASiP) to use it in Single Photon Emission Computed Tomography (SPECT).
We present our results of a proof-of concept camera made of 4 LaSiPs prototypes, as well as simulations of the system to study the contribution of different types of LaSiP noise on the energy resolution and the impact of the pixel size, the pixel geometry and the noise on the performance of the camera.

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