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Inexpensive scintillation spectrometer systems on the base SiPM light detectors

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The work is devoted to the development of inexpensive scintillation spectrometer systems on the base SiPM light detectors for various radiation applications (compact cheap mobile spectrometers of gamma, beta and alpha particles, monitoring of accelerator beams - Beam Loss Monitors). CsI(Tl) was used as scintillation crystals. Hulls was built using 3D printing. Detector electronics (with 512 channel multi-channel analyzer with Ethernet or Wi-Fi connections) costed no more than 40-50 dollars.

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