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The design of a photodetector unit of a new Shashlyk EM calorimeter for COMPASS II

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A nine-channel photodetector unit with micropixel avalanche photodiodes (MAPD) and precision thermostabilization based on the compact Peltier element is designed and constructed. MAPD-3N with superhigh pixel density 15000 per square mm and area 3×3 mm manufactured by the Zecotek Company were used.

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