

Research, development, and test the monitoring system prototype of the electromagnetic calorimeter for MPD experiment.

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The Multi-purpose Detector (MPD) is being created to study the properties of hot and dense nuclear matter at the interaction point of heavy ions beams at the NICA complex. The electromagnetic calorimeter in the new experimental setup is designed to identify photons and electrons by measuring their energy and coordinates, as well as separating them from hadrons. For the stable operation of 38400 calorimeter channels, the prototype of the LED monitoring system with fiber-optic light distribution was created. In this talk, we have presented the results of the study and test of this monitoring system.

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