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Radiation monitoring system for NICA Slow Control electronic equipment

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The NICA (Nuclotron-based Ion Colider fAcility) beam pipeline room will be adjacent to a chamber with its Slow Control electronic equipment. It is possible to appear a radiation exposure in that chamber in case of a leakage from the pipeline or any other reasons. It can destroy the control electronics when the radiation is strong enough, effecting in potential abnormality of the NICA devices functionality. This implies the necessity of instant monitoring of the level of scattered radiation in a Slow Control room and alarming about the threats. The prototype radiation monitoring system for Slow Control electronic equipment concept will be discussed in this presentation.

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