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PAPER TITLE

**RADIATION MONITORS FOR A REAL-TIME RADIATION MONITORING
ON UNK.**

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ABSTRACT

A brief description and characteristics of some radiation monitors designed in IHEP for a real-time radiation monitoring system for UNK project are presented. The radiation monitors output the information about radiations on coaxial cables using 16-bits digital signals. On these cables the power supply of radiation monitors is provided. A transmission of signals on distance up to 1.5 km is possible. Most attention has been concentrated on informative reliability. Monitors make the autodiagnosics of some their own parameters and the results of the autodiagnosics are passed in signals. Data and experience received in the tests of radiation monitors in radiation fields at experimental area of 70 GeV IHEP's accelerator and at start-up of a UNK injection channel are analyzed.