

RADIATION MONITORING SYSTEM FOR LHCb
INNER TRACKER

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S u m m a r y

Performance requirements to and the design of a radiation monitoring system (RMS) for the LHCb Inner Tracker (CERN) have been presented. The physical principle of operation and some constructional details of metal foil detectors (MFDs) developed at the Institute for Nuclear Research of the National Academy of Sciences of Ukraine and used in the RMS manufacture have been described. The results of a testing demonstrate that the parameters of the RMS correspond to the requirements of the LHCb experiment.