

# **E-beam parameters measurement system in the HERA interaction region by using Synchrotron Radiation Monitors**

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## **Abstract**

A precision measurement of the electron beam parameters in the interaction points of the HERA experiments is one part of the luminosity upgrade program. The system is based on a Finger Synchrotron Radiation Monitor. Advantages of the monitor are high sensitivity, precision and absence of water-cooling. The system is used for the measurement of electron beam parameters, guidance of the beam in the interaction point of the HERA experiments and its subsequent control. Technical details of the system and first measurement results will be presented.