



Contribution ID: 38

Type: **Contributed Poster**

PSD Infrared Monitor for Remote Diagnostics of Accelerated Beams and Bunches

Thursday 15 September 2005 10:30 (30 minutes)

Results of measuring the equilibrium radius and dimensions of the small cross section of the electron ring bunch are presented. The description of multi-channel sistem for investigation of dynamics of the electron ring compression by synchrotron radiation is given. The system consists of an optical channel, infrared radiation detector, a unit of amplifiers, electronics of monitoring and coupling with a computer. The program of the information read out operates in the real time disc operation system.

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Session Classification: P : Coffee and Poster Session

Track Classification: Detectors for Synchrotron Radiation and Spallation Neutron Sources