Contribution ID: **113** Type: **Contributed Poster**

Optics of Position-Sensitive Detectors for Infra-Red Synchrotron Accelerator Diagnostics

Thursday 15 September 2005 10:30 (30 minutes)

The special high-vacuum windows and optical systems for the conclusion from
the accelerator of synchrotron radiation and focusing it on the detector are
submitted in this review [1,2]. The results of account and research of optical
system are described punctually. There are examples of practical use of
a broad-band long-focus optics with precision by integrated and position-
sensitive detectors in accelerator experiments for detection of infra-red
synchrotron radiation from low-intensity source and for absolute measurements
of the basic parameters of bunches of the charged elementary particles in this
article.

`References`

[1] A.A.Maltsev - Techn. Phys. 47 (6) 2002. P. 777.

[2] A.A.Maltsev, M.A.Maltsev - Measur. Techn. No. 11. 2000. P. 17.

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Session Classification: P : Coffee and Poster Session

Track Classification: Detectors for Synchrotron Radiation and Spillation Neutron Sources