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## An X-ray pinhole camera for SESAME storage ring

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An X-ray pinhole camera beamline has been installed recently at SESAME storage ring as a very beneficial non-destructive tool, used to characterize the electron beam size and behavior. The design of the beamline is kept as simple as possible with a modification on the Copper absorber to provide a sufficient flux of X-ray proper for imaging. The beamline is under operation now and used for the measurement of beam size, emittance, coupling in the ring, and detection of beam instabilities. This paper describes the design details, simulations and measurement results obtained during the beamline commissioning.

### Footnotes

### Funding Agency

### I have read and accept the Privacy Policy Statement

Yes

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