FOCUSING OF HARD X-RAY RADIATION BY FRESNEL MODIFIED ZONE PLATES

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Key words: X-ray, Fresnel, zone plates, transmission, focusing.

PACs:: 41.50.+h (X-ray beams and optics), 07.85.-m (X-ray instruments and techniques).

Abstract

In the present work is made Fresnel modified zone plate for hard X-ray radiation on transmission for the first time. Focusing elements from silicon are created using precision lithography and deep plasmachemical etching. Focusing properties of the fabricated zone plate is studied on X-ray generator Rotaflex with the rotating anode.

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