

**OPTIMIZATION OF ION-OPTICS SYSTEM FOR X-RAY
QUASI-MONOCROMATIC SOURCE
ON THE BASIS OF ELECTROSTATIC ACCELERATOR**

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Ion-optics system with two doublets of electrostatic quadrupole lenses for X-ray quasi-monochromatic source was selected. Two variants of lens excitation for stigmatic focusing with two and four independent power supplies are considered. It is shown that using of four independent power supplies leads to improvement of focused ion beam parameters at converter.

Keywords: ion-optics system, electrostatic quadrupole lenses, independent lens excitation, electrostatic accelerator, quasi-monochromatic X-ray source.