

Prototype of a test bench for applied research on extracted beams of the Nuclotron accelerator complex

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This study is devoted to the development and testing of prototypes of elements of an irradiation test bench for applied studies with extracted beams of the Nuclotron and takes into account the specific features of the accelerator complex operation. The results of the development and testing of elements of a test bench for investigating the impact of accelerated particle beams on electronics, and other targets are presented. The systems for beam monitoring and target positioning were tested on extracted argon beams in the framework of experiments on studying the radiation hardness of electronic components.

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