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Problems of developing the Nuclotron virtual model

Problems connected with the Nuclotron virtual simulation model within MADX are considered. Main purpose of the work is to develop an exact model of the Nuclotron that would make the results of calculation via MADX package as close as possible to experimental data obtained in the last Nuclotron runs. The groups of parameters that makes theoretical calculations closer to experimental data are identified during the analysis of the influence of the model characteristics on simulation results.

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