

# Interactive design environment transportation channel of relativistic charged particle beams

*Wednesday, 12 October 2016 15:30 (30)*

Considered a modern implementation of a computer environment for the design of channels of transportation of high-energy charged particle beams. The environment includes a software package for the simulation of the dynamics of charged particles in the channel, operating means for changing parameters of the channel, the elements channel optimization and processing of the output characteristics of the beam with the graphical output the main output parameters.

**Primary author(s) :** Prof. AVERYANOV, German (National Research Nuclear University (MEPhI))

**Co-author(s) :** Mrs. OSADCHUK, Inessa (National Research Nuclear University «MEPhI» (MEPhI)); Mr. BUDKIN, Valeriy (National Research Nuclear University «MEPhI» (MEPhI))

**Presenter(s) :** Mrs. OSADCHUK, Inessa (National Research Nuclear University «MEPhI» (MEPhI))

**Session Classification :** Poster session - III

**Track Classification :** Methods of experimental physics