

# **An adaptive modular approach to the design of channels transport of charged particles of high energies**

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The paper discusses the method of designing channels based on numerical simulations with the aim of achieving optimal beam parameters at the exit of the channel. Methodology was used to optimize the parameters of the transport channel of the electron accelerator, with significant loss of beam intensity in the output beam from the accelerator and in the process of transport of the beam for the experimental equipment.

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