The 5th international conference on particle physics and astrophysics



Contribution ID : 697 Type : Poster

Model analysis of relativistic electron beam dynamics in rared plasma

Monday, 5 October 2020 17:30 (150)

The mathematical model is discussed allowing the description of relativistic electron beam propagation in rared plasma. Such model may be applied for the analysis of the electron beam behavior in accelerators as well as under space conditions. The equation for the beam radius and the results of its numerical solution are presented.

Primary author(s): Dr. BARMINOVA, Helen; Ms. YECHSHANOVA, Rupiya (L.N. Gumilyov Eurasian

National University)

Presenter(s): Ms. YECHSHANOVA, Rupiya (L.N. Gumilyov Eurasian National University)

Session Classification: Poster session

Track Classification: Facilities and advanced detector technologies