

**Code to Study the High Intensity Beam Dynamics in the Ion Linear Accelerators, V.A. MOISEEV, P.N. OSTROUMOV, INR AS of Russia** - To design of the high intensity ion linac the study of the effect of space charge on the beam quality can be done preliminary by simulation. PIC code was developed to research the dynamics of the bright beam in the periodic accelerating structures. The details are discussed.