Two-Component Charge Compensated Ion Beam Dynamics, A.V. BARKHUDARYAN, <u>D.G. KOSHKAREV</u>, L.G. VOROBIEV, ITEP - The summary of the main results of studies in linear approximation on the incoherent and coherent dipole and quadrupole oscilations of charge-compensated ion beam for proposed earlier HIF-driver is given. The estimation of the influence of the intrinsic non-linearity upon charge-compensated beams dynamics in strong-focusing channels is especially considered. The beam dynamics in systems of final focusing on thermonuclear target is considered too. Two-dimentional particle-in-sell simulation of such beams propagating has been used.