

The SC Accelerating RF Structure Geometry and Beam Dynamics of SVAAP, V.V. KOMAROVA, L.M. SEVRYUKOVA, I.A. ZVONAREV, Federate Problem Lab for Technology and Study of Superconducting Cavities at IHEP, Protvino, Russia - In this report the results of the further SVAAP (Superconducting Vertical Accelerator for Applied Purposes) Project development are presented. The special attention is given to the injection channel projection and to the RF superconducting structure geometry choice and also to the electron beam dynamics simulation with the use of program products URMEL-T, PRUD, LIDOS, PARMELA. The recent information concerning the RF accelerating structure technology on the base of the film material sputtered on the copper shells is given in this report. The accelerating RF structure of 14 cells is to be manufactured by means of the galvanoplastic forming technique and the planar magnetron sputtering.