

Status of the Internal Target Technique at the Nuclotron, A. ARTIOMOV, JINR; J. KLIMAN, IPSAS - The internal target station used in physics experiments at the Nuclotron, its hardware and software configuration are described. The distance control of the station realized by means of an IBM PC computer is based on an operative presentation of the magnetic field cycle, beam parameters and target location relative to the beam on the monitor. A necessary space-time trajectory of the chosen target in time scale of the accelerator operation, is determined by the operator by means of a mouse and is realized by a step motor. To control the beam-target interaction in time, the light radiation of the target material bombarded by ions is used. The graphical functions, characterizing the luminosities and lifetime of a d , C and Ar nucleus beam with energies of 1 and 6 AGeV for different internal targets, are presented.