

Progress Report of the Interdigital-H Linac for Radioactive Nuclei at INS, M. TOMIZAWA, S. ARAI, Y. ARAKAKI, T. KATAYAMA, K. NIKI, M. YOSHIZAWA, INS Univ. of Tokyo, T. HATTORI, Tokyo Institute of Technology - In the radioactive-beam facility at INS, unstable nuclei with a charge-to-mass ratio greater than 1/10 was designed to be accelerated from 170 to 1053 keV/u by an Interdigital-H (IH) linac placed downstream from a split coaxial RFQ. The IH linac consists of four acceleration cavities and three sets of quadrupole triplets placed between the cavities. In this linac, output energy is continuously changed by tuning the rf power and its phase. Installation of the linac and low power tests of cavities were finished. High power tests of the cavities and first beam tests using the stable beam are planned in the first half of 1996.