

A 90_apt-stem Low Frequency RFQ,
V.A. ANDREEV, ITEP, G. PARISI, CERN - A new version of 90_ apt-stem RFQ resonant structure¹ which can be used at low frequencies to accelerate heavy ions, is considered. Having smaller transverse dimensions in comparison with the original one, this new structure allows to keep both good rf efficiency and simplicity of manufacture. Results of computer simulations with MAFIA codes and of measurements on a cold model built at ITEP are presented.

1 V.A. Andreev, G. Parisi, "90_apt-stem RFQ Structure for Wide Range of Frequencies", in PAC'93 Proc., p. 3124.