RADIO FREQUENCY QUADRUPOLE, "RFQ"
- Built by scientists, engineers and technicians of BNL and commissioned in 1984 for the preacceleration of polarized H-Ions, for the AGS HE polarized proton physics program
- This unique RF cavity acceleration cavity was the first of its type to be used for particle physics applications. It was in yearly service until its final run in the spring of 1999.
- Operating at frequency of 201.250 MHz it required 128,000 Watts of peak power to focus, bunch and and accelerate ions from energies of 20,000 electron-volts (eV) to 750,000 eV, the injection energy of the AGS Linac