

Better RFCavities For HERA/PETRA,
E.N. ZAPLATINE, DESY* - This paper deals with the design criteria of the HERA/PETRA accelerating cavities (RF frequency 52 mhz) in terms of their improvement. Particular care was given to the existing cavity geometry modification in order to increase its shunt impedance and to minimize the electron resonance discharge probability. The possibilities of damping higher order cavity modes are investigated.

* Guest Scientist from JINR, Dubna, Russia