The Electron Linac with Beam Power up to 15 kW, V.I. BELOGLASOV, A.I. ZYKOV, E.S. ZLUNITSYN, G.D. KRAMSKOJ, G.L. PHURSOV, National Science Center, Kharkov Institute of Physics & Technology (KFTI) - Results of modernization and two-years exploitation of electron linac (ΛY-10→ΛY-10M) are given in this paper. This accelerator has such electron beam parameters: W = 6÷17 MeV, I ² 1,4 mA; τ⊇= 3,5 ms;
F = 25-300 Hz; P ² 15 kW; ÆW/W ~ 6%. This accelerator consists of one accelerator section and two klystrons (f = 2797 MHz). RF-power of the klystrons is summarized at the section input by means of T-bridge. The accelerator is passportized, has metrological equipment (magnetic analyser, devices for the measurement of beam current, power, the conveyer for the radiation treatment of the large masses different articles and the equipment for large doze irradiation). The accelerator is used for physical research and as sterilizer of the medical production and as equipment for solving problem radiation technology, changing materials properties, etc.