

The Project of a Multifunctional Accelerator - Storage Ring Complex, E. BULYAK, A. DOVBNYA, P. GLADKIKH, I. KARNAUKHOV, S. KONONENKO, V. KOZIN, V. LAPSHIN, N. MOCHESHNIKOV, A. MYTSYKOV, F. PEEV, A. SHCHERBAKOV, A. TARASENKO, YU. TELEGIN, A. ZELINSKY, Kharkov Inst. of Physics & Technology - The project of a multifunctional accelerator - storage ring complex with electron energy of up to 2 GeV is described. The structure of the complex was chosen with due account of the existing equipment, buildings and infrastructure of the 2 GeV electron linear accelerator, the necessity of creating precise parameters of photon and electron beams, and the last but not least economic efficiency. The principal parameters of the storage ring are the circumference 91 m, the energy range 0.3-2.0 GeV, the natural beam emittance 25 nm and the stored current 0.5 A. This complex will be provide photon beams (4 at first stage, up to 20 later on) and CW electron beams (energy region 0.3-0.5 GeV) for scientific and industrial application.