

Photodesorption and Power Testing of SR Crotch-Absorber for BESSY-II, V. ANASHIN, A. BULYGIN, O. MALYSHEV, L. MIRONENKO, E. PYATA, BINP; D. KRAEMER, BESSY - Some elements of BESSY-II vacuum system as Crotch-Absorbers were produced at Budker Institute of Nuclear Physics (BINP). One of that OFHC copper crotch-absorber was tested both for photodesorption yield and with power. The special SR beamline and installation were designed, build and installed with aim to measure gas photodesorption from the crotch-absorber. The crotch-absorber have been exposed to 2.66 keV critical energy synchrotron radiation from the wiggler on VEPP-3 storage ring at BINP. The photodesorption yield dependence as a function of accumulated photons will be presented. An electron beam welding machine was used for power testing of the crotch-absorber. It was shown what the power up to 600 W per cm of the crotch-absorber length and the total power of 5 kW could be accepted for the tested SR crotch-absorber.