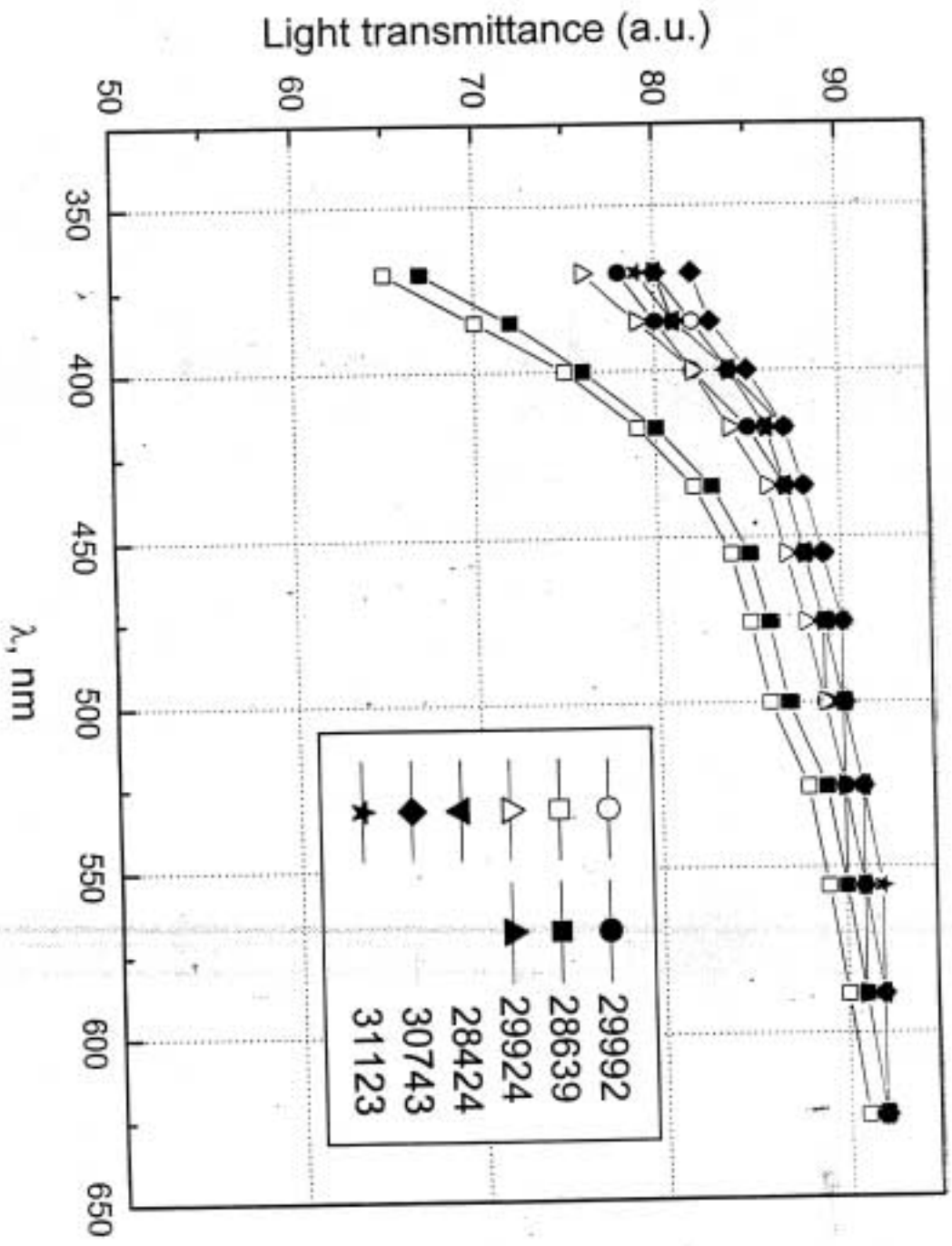
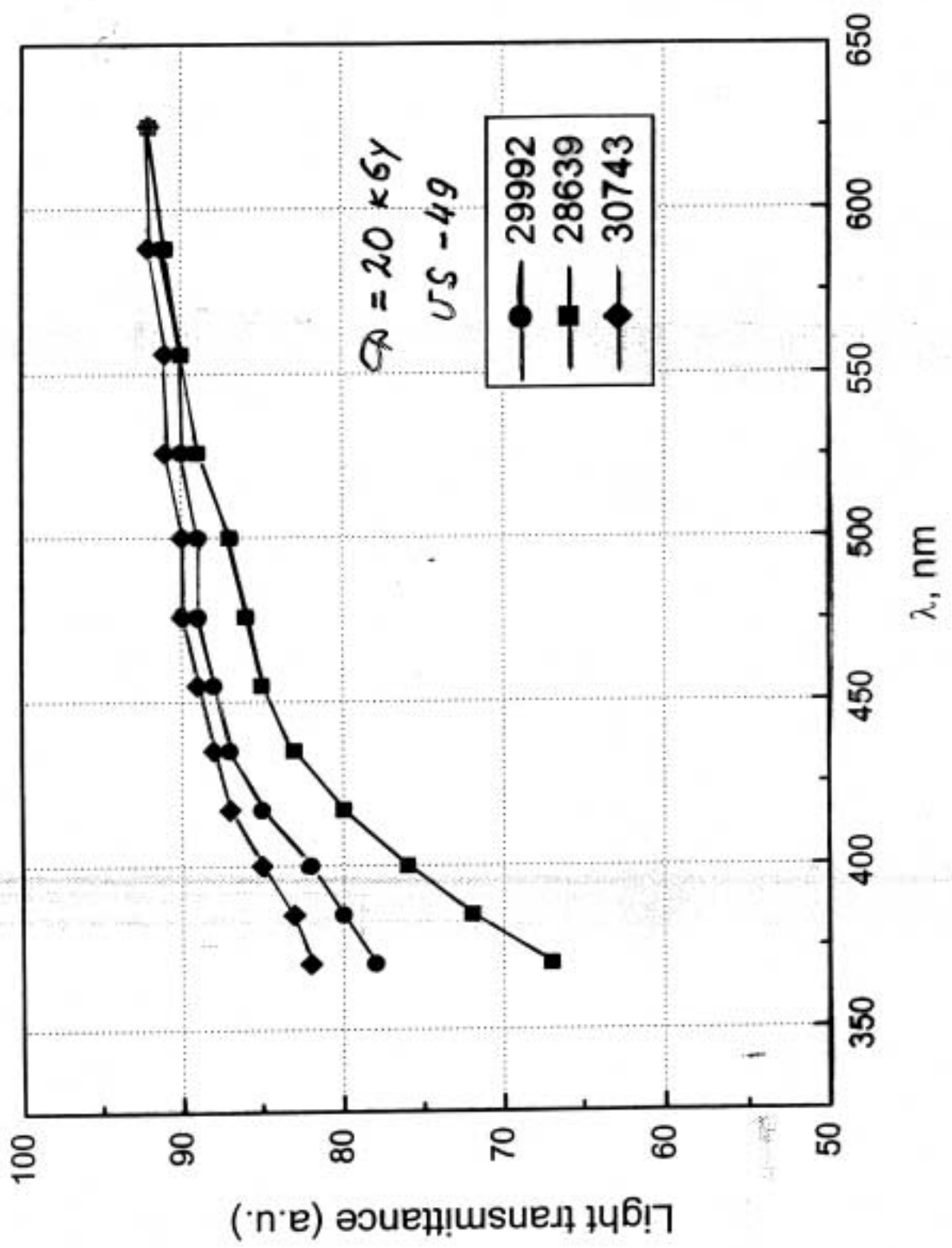


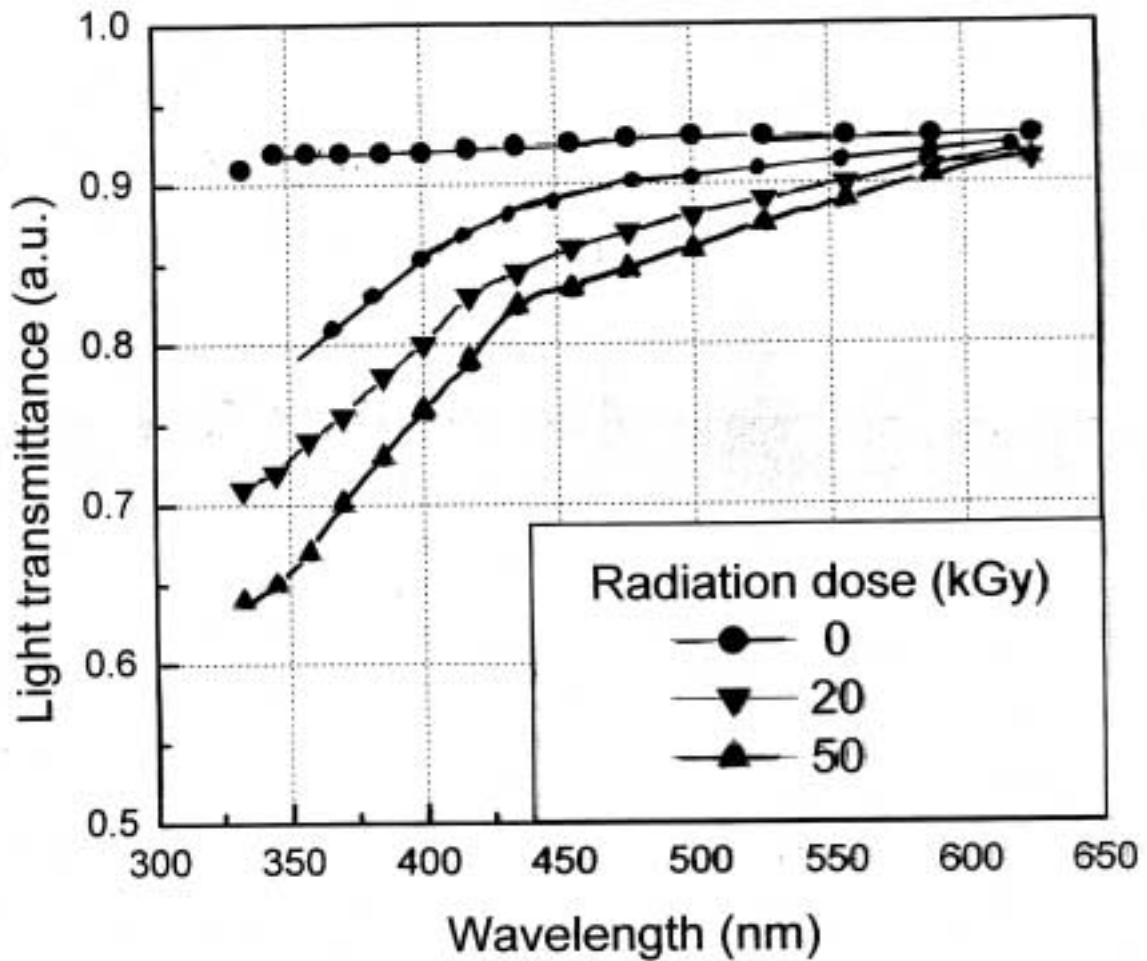
US49C

$\Phi = 20 \mu\text{Gy}$

0.4 2003



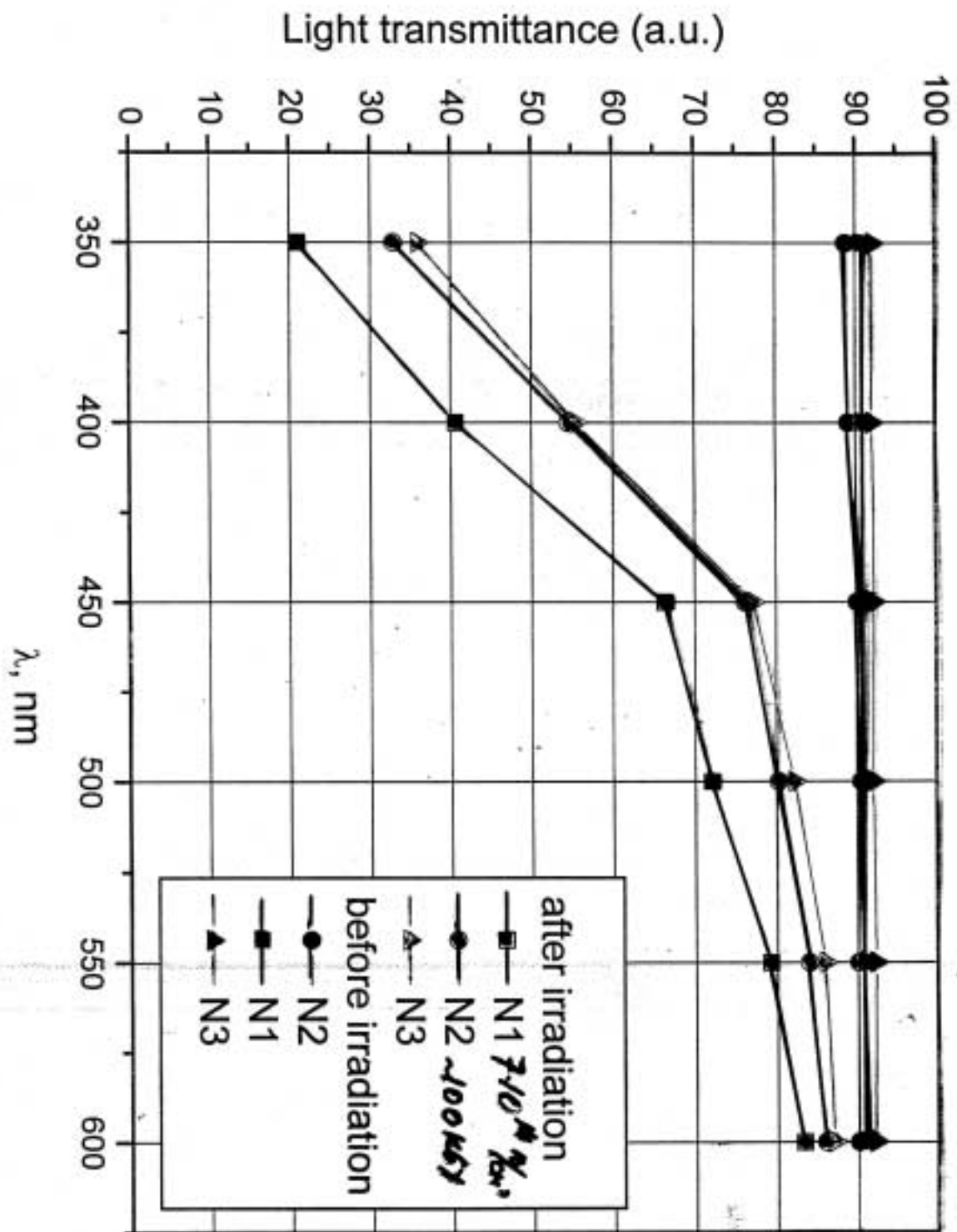




Light transmittance spectra of US-49C faceplate before and after irradiation.

*Dose rate is 1.25 kGy/h.*

—●— US 49 29992 20 kGy



US49C

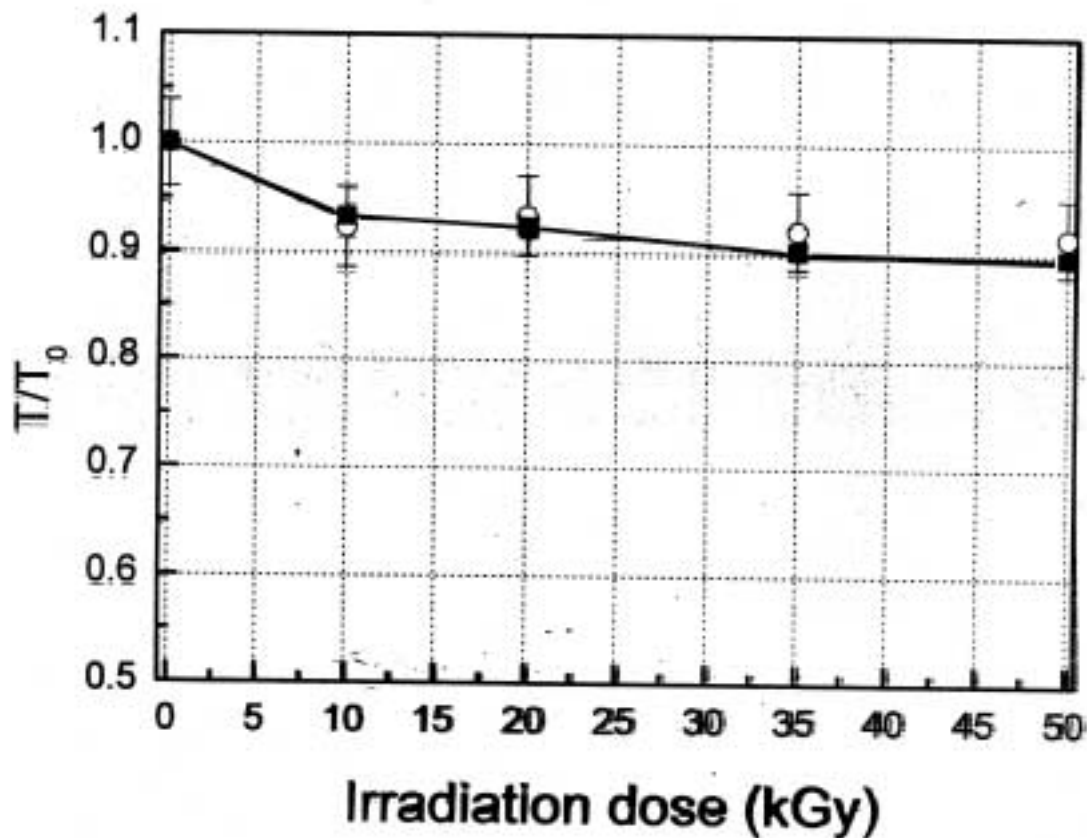
$\Delta\lambda = 350 - 600 \text{ nm}$

$\Delta = 19\%$

$n + \gamma$

$d_s = 1.2 \text{ mm}$

$E_n \geq 100 \text{ keV}$



Relative US49C faceplate light transmission in the emission range of PbWO<sub>4</sub> doped by Nb (—■—) and relative anode response of VPT FEU-188 illuminated by LED with 450 nm wavelength (○) as a function of gamma (<sup>60</sup>Co) dose.

*Relative anode response is a ratio of LED signals from VPT before and after irradiation.*