

# **Photoinduced absorption and nonlinear optics of triglycine selenate single crystals under uniaxial pressure**

## **Abstract**

We studied an influence of uniaxial pressure on the triglycine selenate single crystals during simultaneous illumination by the continuous wave 532 laser at power about 300 mW. Simultaneously we have studied two-photon absorption for the nanosecond 1064 nm Nd:YAG laser fundamental wavelength. The studies were performed during several cycles of applied uniaxial pressure. A correlation between the photoinduced absorption and the two-photon absorption was found.