

Список основных публикаций Рубцовой Наталии Николаевны

1. **Rubtsova N.N.**, Gol'dort V.G., Khvorostov E. B., Kochubei S.A., Reshetov V.A. $^{174}\text{Yb } ^3\text{P}_1$ level relaxation found via weak magnetic field dependence of collision-induced stimulated photon echo // *Laser Physics*. – 2018. – Vol.28, №6. – art.№ 066001. – P. 1-11.
2. **Rubtsova N.N.**, Gol'dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Borisov G.M., Ledovskikh D.V., Reshetov V.A. Collision-induced stimulated photon echo generated at transition 0–1 on broad spectral line conditions // *Laser Physics Letters*. – 2018. – Vol. 15, № 4. – art.№ 046001. – P. 1-4.
3. Borisov G.M., Gol'dort V.G., Kovalyov A.A., Ledovskikh D.V., **Rubtsova N.N.** A Technique for detecting subpicosecond reflection or transmission kinetics // *Instruments and Experimental Techniques*. – 2018. – Vol. 61, № 1. – P.94-98.
4. Борисов Г.М., Гольдорт В.Г., Ковалев А.А., Ледовских Д.В., **Рубцова Н.Н.** Фемтосекундная кинетика отражения зеркал с насыщающимся поглощением // *Автометрия*. – 2016. – Т. 52, № 2. – С. 52-56.
5. **Rubtsova N.N.**, Borisov G.M., Ledovskikh D.V., Kovalyov A.A., Preobrazhenskii V.V., Putyato M.A., Semyagin B.R., Kisel V.E., Rudenkov A.S., Kuleshov N.V., Pavlyuk A.A. Fast mirrors for femtosecond passive mode-locked near-infrared lasers // *Laser Physics*. – 2016. – Vol. 26, № 12. – art. № 125001. – P. 1-5.
6. Borisov G.M., Gol'dort V.G., Kovalyov A.A., Ledovskikh D.V., **Rubtsova N.N.** Femtosecond kinetics of reflection of mirrors with saturable absorption // *Optoelectronics, Instrumentation and Data Processing*. – 2016. – Vol. 52, № 2. – P. 148-152.
7. **Rubtsova N.N.**, Borisov G.M., Gol'dort V.G., Kovalyov A.A., Ledovskikh D.V. Reflectivity kinetics of saturable absorbers for laser mirrors // *Laser Physics*. – 2016. – Vol. 26, № 2. – art. № 025001.– P. 1-6.
8. **Rubtsova N.N.**, Gol'dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Reshetov V.A. Collision induced two-pulsed photon echo at the transition 0–1 in a weak longitudinal magnetic field // *Laser Physics*. – 2015. – Vol. 25, № 12. – art. № 126001. – P. 1-5.
9. Kovalyov A.A., Preobrazhenskii V.V., Putyato M.A., **Rubtsova N.N.**, Semyagin B.R., Kisel V.E., Rudenkov A.S., Kuleshov N.V., Pavlyuk A.A. Efficient high-power femtosecond $\text{Yb}^{3+}:\text{KY}(\text{WO}_4)_2$ laser // *Laser Physics Letters*. – 2015. – Vol. 12, № 7. – art. № 075801.–P. 1- 4.
10. Kisel V.E., Rudenkov A.S., Kuleshov N.V., Pavlyuk A.A., Kovalyov A.A., Preobrazhenskii V.V., Putyato M.A., **Rubtsova N.N.**, Semyagin B.R. High-power, efficient, semiconductor saturable absorber mode-locked $\text{Yb}:\text{KGW}$ bulk laser // *Optics Letters*. – 2015. – Vol. 40, № 12. – P. 2707-2710.
11. **Rubtsova N.N.**, Gol'dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Nadinov I.U., Reshetov V.A. Polarization of the stimulated photon echo in ytterbium vapour at the transition $0 \leftrightarrow 1$ // *Laser Physics*. – 2014. – Vol. 24, № 4. – art. № 046003. – P. 1-6.

12. **Rubtsova N.N.**, Gol'dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Reshetov A.V. Polarization echo spectroscopy of the $0 \leftrightarrow 1$ transition in ytterbium vapour // *Laser Physics*. – 2014. – Vol. 24, № 9. – art. № 094012. – P. 1- 6.
13. Борисов Г.М., Гольдорт В.Г., Ковалев А.А., Кочубей С.А., Ледовских Д.В., Преображенский В.В., Пулято М.А., **Рубцова Н.Н.**, Семягин Б.Р. Особенности генерации второй гармоники излучения фемтосекундного лазера $\text{Yb}^{3+}:\text{KY}(\text{WO}_4)_2$ в гетероструктурах АЗВ5 с асимметричными квантовыми ямами // *Вестник Новосибирского государственного университета. Серия: Физика*. – 2014. – Т. 9, № 4. – С. 5-14.
14. Khvorostov E.B., Gol'dort V.G., Ishchenko V.N., Kochubei S.A., **Rubtsova N.N.**, Reshetov V.A. Collision-induced photon echo in ytterbium vapour at the transition 0–1: magnetic field effect // *Laser Physics Letters*. – 2014. – Vol. 11, № 12. – art. № 126004. – P. 1-3.
15. **Rubtsova N.N.**, Gol'dort V.G., Ishchenko V.N., Khvorostov E.B., Kochubei S.A., Reshetov V.A., Yevseyev I.V. Interplay of light and collisions in photon echo formation // *Journal of Physics: Conference Series*. – 2013. – Vol. 414, № 1. – art. № 012004. – P. 1-12.