

Compact Nd:YAP/V:YAG nanosecond pulse generator at 1342 nm

Thursday, 1 September 2022 12:00 (2 hours)

A compact laser head emitting a linearly polarized radiation at wavelength 1342 nm was designed and constructed. This laser was based on a separate Nd:YAP gain part and V:YAG saturable absorber. Q-switched pulses 12 ns long with energy up to 0.1 mJ were generated with repetition rate 500 Hz.

Primary authors: KADLEC, Kryštof (Czech Technical University in Prague, Prague, Czech Republic); ŠULC, Jan (Czech Technical University in Prague, Prague, Czech Republic); NĚMEC, Michal (Czech Technical University in Prague, Prague, Czech Republic); JELÍNKOVÁ, Helena (Czech Technical University in Prague, Prague, Czech Republic); NEJEZCHLEB, Karel (Crytur, Ltd. Turnov, Turnov, Czech Republic); BERAN, Lukáš (Crytur, Ltd. Turnov, Turnov, Czech Republic); KUDĚLKA, Radim (Crytur, Ltd. Turnov, Turnov, Czech Republic)

Presenter: ŠULC, Jan (Czech Technical University in Prague, Prague, Czech Republic)

Session Classification: Lunch and Poster Session 2