

# Investigation of dual-crystal subnanosecond LBO optical parametric amplifier operating in the visible spectrum range

*Tuesday, 30 August 2022 12:00 (2 hours)*

Many applications require tunable-wavelength laser radiation, which is provided by optical parametric amplifiers (OPAs) and optical parametric generators (OPGs). We report, to the best of our knowledge, the first dual-crystal LBO subnanosecond OPA system generating widely-tunable radiation in the visible spectrum range from roughly 460 nm to 680 nm.

**Primary authors:** VENGELIS, Julius (Laser Research Center, Vilnius University, Vilnius, Lithuania); STANIONYTĖ, Gabrielė (Laser Research Center, Vilnius University, Vilnius, Lithuania); ARMALYTĖ, Simona (Laser Research Center, Vilnius University, Vilnius, Lithuania); TAMULIENĖ, Viktorija (Laser Research Center, Vilnius University, Vilnius, Lithuania)

**Presenter:** VENGELIS, Julius (Laser Research Center, Vilnius University, Vilnius, Lithuania)

**Session Classification:** Lunch and Poster Session 1