

## Passively Q-switched Er:YAP laser generating 21 ns pulses at 2.9 $\mu\text{m}$

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

A passively Q-switch Er:YAP laser, emitting 21.8 ns long (FWHM) pulses with energy 0.54  $\mu\text{J}$  and repetition rate 41.6 kHz at 2.9  $\mu\text{m}$  is presented. In a free-running regime, the Er:YAP laser reached maximal output mean power of 200 mW with 25.5 % slope efficiency.

### code

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