

# Passively mode-locked Yb:Y<sub>2</sub>O<sub>3</sub> ceramic laser by using the self-focusing technique

Self-started mode-locking in a diode pumped Yb:Y<sub>2</sub>O<sub>3</sub> ceramic laser by using the combined action of thermal lens effect and self-focusing effect is demonstrated.

The maximum mode-locked output power is 2.7 W and the Pulse width is 1.1 ps.  
Pulse peak power ~ 19.5 kW

