

Cryogenically cooled compact Yb:Lu₂O₃ laser

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

We studied the continuous-wave laser performance of Yb:Lu₂O₃ at cryogenic temperatures using a modular laser setup. A maximum output power of 15.23 W was achieved for 120 K corresponding to a slope efficiency of 63%.

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