

Comparative study on pump wavelength dependent efficiency in Nd:YVO₄

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The influence of the pump wavelength on the heat load and efficiency of Nd:YVO₄ crystals is investigated with a specially designed crystal mount. The measurements indicate that the change in heat load in the crystal can be solely ascribed to the difference of quantum defects and no further non-radiative effects.

Primary authors: SCHNEEWIND, Merle (Laser Zentrum Hannover e.V. (LZH)); SPIEKERMANN, Stefan (Laser Zentrum Hannover e.V. (LZH)); WESSELS, Peter (Laser Zentrum Hannover e.V. (LZH)); NEUMANN, Jörg (Laser Zentrum Hannover e.V. (LZH)); KRACHT, Dietmar (Laser Zentrum Hannover e.V. (LZH))

Presenter: SCHNEEWIND, Merle (Laser Zentrum Hannover e.V. (LZH))

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