

Peculiarities of photon echo in extended crystals of ruby

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Abstract

The signals of primary and backward photon-echo (PE) in extended crystals of ruby were observed. The peculiarities of PE formation in these resonant media were also investigated. Conditions of excitation were not changed for crystals with various length. It was found that duration of echo-signals was increased with increasing of the sample length.

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Keywords

Extended crystals, Photon-echo, Ruby