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## Photodynamic processes in LiCaAlF<sub>6</sub>:Ce<sup>3+</sup> UV active medium

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### Abstract

© Published under licence by IOP Publishing Ltd. The objectives of this paper are experimental studies of pump-induced effects in LiCaAlF<sub>6</sub>: Ce<sup>3+</sup> single crystals and computer model elaboration and appropriated software package engineering. The elaborated experimental technique and software allow either to calculate the nonlinear absorption/gain characteristics of the active medium on the basis of known parameters, or to find its previously unknown parameters from pump-probe experimental dependences.

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