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## The excited state absorption from the 5d-states of Ce<sup>3+</sup> ions in LiCaAlF<sub>6</sub> crystals

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### Abstract

The excited state absorption (ESA) spectra in the UV active media LiCaAlF<sub>6</sub>-Ce<sup>3+</sup> single crystal was studied by the amplified spontaneous emission technique. The nature of the ESA spectra is discussed.

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### Keywords

Excited state absorption, Interconfigurational 5d-4f transitions, Rare-earth ultraviolet solid-state lasers