

# **Vibrational and Polariton Spectra of CdGa<sub>2</sub>S<sub>4</sub> and CdAl<sub>2</sub>S<sub>4</sub> Crystals**

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## **Abstract**

In this work the vibrational and polariton optical spectra of the CdGa<sub>2</sub>S<sub>4</sub> and CdAl<sub>2</sub>S<sub>4</sub> crystals grown from vapor phase and by the Bridgman method have been investigated. The light scattering by polaritons excited of various wavelength of Ar<sup>+</sup> and He-Ne lasers is studied.