

# X-Ray Luminescence in $\text{ZnIn}_2\text{S}_4$ , $\text{CdGa}_2\text{S}_4$ and $\text{Zn}_3\text{In}_2\text{S}_6$

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## Abstract

Results related to investigation of X-ray induced luminescence spectra in  $\text{ZnIn}_2\text{S}_4$ ,  $\text{CdGa}_2\text{S}_4$  and  $\text{Zn}_3\text{In}_2\text{S}_6$  single crystals measured at 300 and 80 K are presented. The spectra mainly consist of one band with maximum at 1.67 and 1.97 eV (80 K), respectively, generated due to donor-acceptor recombination.

*Keywords: luminescence, crystals, single crystals, spectra, medical tests, conducting materials*

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