

OPTICAL ABSORPTION OF
ELECTRON-IRRADIATED $\text{CdS}_{1-x}\text{Se}_x$
MICROCRYSTALS IN A GLASS MATRIX

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S u m m a r y

The high-energy electron irradiation effect upon the optical absorption of $\text{CdS}_{1-x}\text{Se}_x$ microcrystals embedded in a glass matrix, is studied. A blue shift of the absorption edge is revealed and explained by a radiation-induced increase of the hydrostatic pressure of the glass matrix upon microcrystals. The pressure value is estimated, and the possibility of an irradiation-induced structural phase transition in $\text{CdS}_{1-x}\text{Se}_x$ microcrystals is shown.