

PECULIARITIES OF THE TEMPERATURE  
DEPENDENCE OF THE S(Se) BASAL PLANE  
CONDUCTIVITY IN CdS AND CdSe  
HEXAGONAL CRYSTALS

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S u m m a r y

The effect of a drastic reduction in S(Se) plane conductivity under cooling in the range 300 - 77 K is found in CdS and CdSe crystals. Heating results in restoration of the initial state, and a hysteresis is observed in the temperature dependence of conductivity. A connection of the observed effect with the pyroeffect is discussed.