

**S1-P.65****Optical Properties and the Stability at Radiation for Monocrystals $ZnIn_2S_4$**

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This study presents the results of investigations on the conductivity and irradiation stability of single crystals $ZnIn_2S_4$ in a wide range of incident electron energies ($30 \div 75 \text{ keV}$) and the respective doses ($10^{14} \div 10^{20} \text{ cm}^{-2}$). It considers the possibilities to manufacture accelerated electron detectors and assesses their parameters. Considering that the energy values of the order 10^2 keV are near the threshold of structural defects of intensive formation, the influence of this phenomenon on the detector parameters is subject to the analysis.