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Title Polarization sensors based on anisotropic crystals

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Description EN

The research presents the azimuthal dependence of optical absorption effects in anisotropic crystals $ZnAs_2$ and the potential for any optical device sensitive to linearly polarized optical radiation, based on two Schottky diodes differentially connected. The detection of polarization plane is done by comparing the different photocurrents generated in the structure. The device enables calibration and determination of polarization plane of the optical radiation in the IR domain with high precision.

Class no. 10: Information Technology and Communication

5: Industrial and Laboratory Equipment

INTERNATIONAL EXHIBITS