

A study of the scintillator screen-based neutron detector.

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This article describes the neutron detector based on a ZnS(Ag)/6LiF scintillator screen. The detector was designed for a purpose of astrophysical experiments. Light collection is performed via low-opacity polystyrene layer coupled with a PMT. The work includes numerical simulation data and experimental results obtained for MeV neutron fluxes.

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