

## A plastic scintillator detector for pulsed flux measurements.

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A neutron detector providing charged particle detection capability has been designed for pulsed flux measurements. The detector consists of commonly used neutron-sensitive ZnS(Ag)/6LiF scintillator screens wrapping a layer of polystyrene scintillator (BC-454, EJ-254 or similar boron loaded plastic). This type of the detector can be made positionally sensitive and can be constructed in any size. Different variations of the design were considered and modelled. The article presents design features and simulation results.

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