

Studies of poly(ethylene naphthalate) for use as a structural scintillator in low background experiments

Studies of poly(ethylene naphthalate) for use as a structural scintillator in low background experiments

Poly(ethylene naphthalate), PEN, has been observed to scintillate in the blue wavelength region, without the need for additional materials.

Combined with measurements of a high intrinsic radiopurity, this has sparked interest in the material for use in low-background experiments.

This presentation will report on measurements of custom molded PEN tiles, covering a range of scintillation and structural properties.

Speaker: Connor Hayward - Max Planck Institute for Physics

Primary author: HAYWARD, Connor (Max Planck Institute for Physics)

Presenter: HAYWARD, Connor (Max Planck Institute for Physics)