

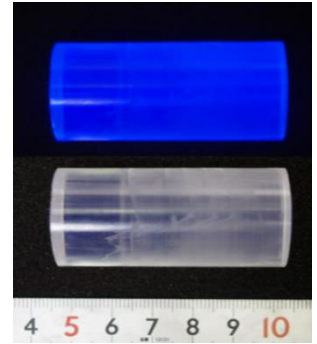


SrI₂

Key Scintillator Materials for Novel Radiation Detectors

Features

- ✓ High Light Output
- ✓ High Resolution
- ✓ Low Background



Applications

Ex. Radioactivity Measurement

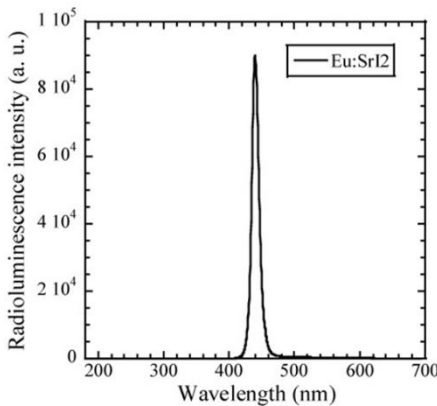


Properties

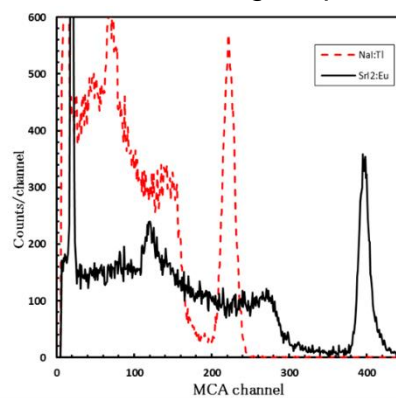
Comparison with Halide conventional crystals

	SrI ₂	NaI	LaBr ₃
Light Yield (Ph/MeV)	85,000	38,000	65,000
En. Res. w/PMT (% 662keV)	< 3.8	7	< 3
Emission Peak (nm)	415	415	380
Principal Decay (ns)	1200	230	20
Density (g/cm ³)	4.59	3.67	5.29
Z _{eff}	49	50	48.3

XRL



¹³⁷Cs Pulse Height Spectra



Proprietary Data on Oxide SrI₂ developed by Professor Yanagida, Nara Institute of Science and Technology

OXIDE

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