



# LYSO(Ce)

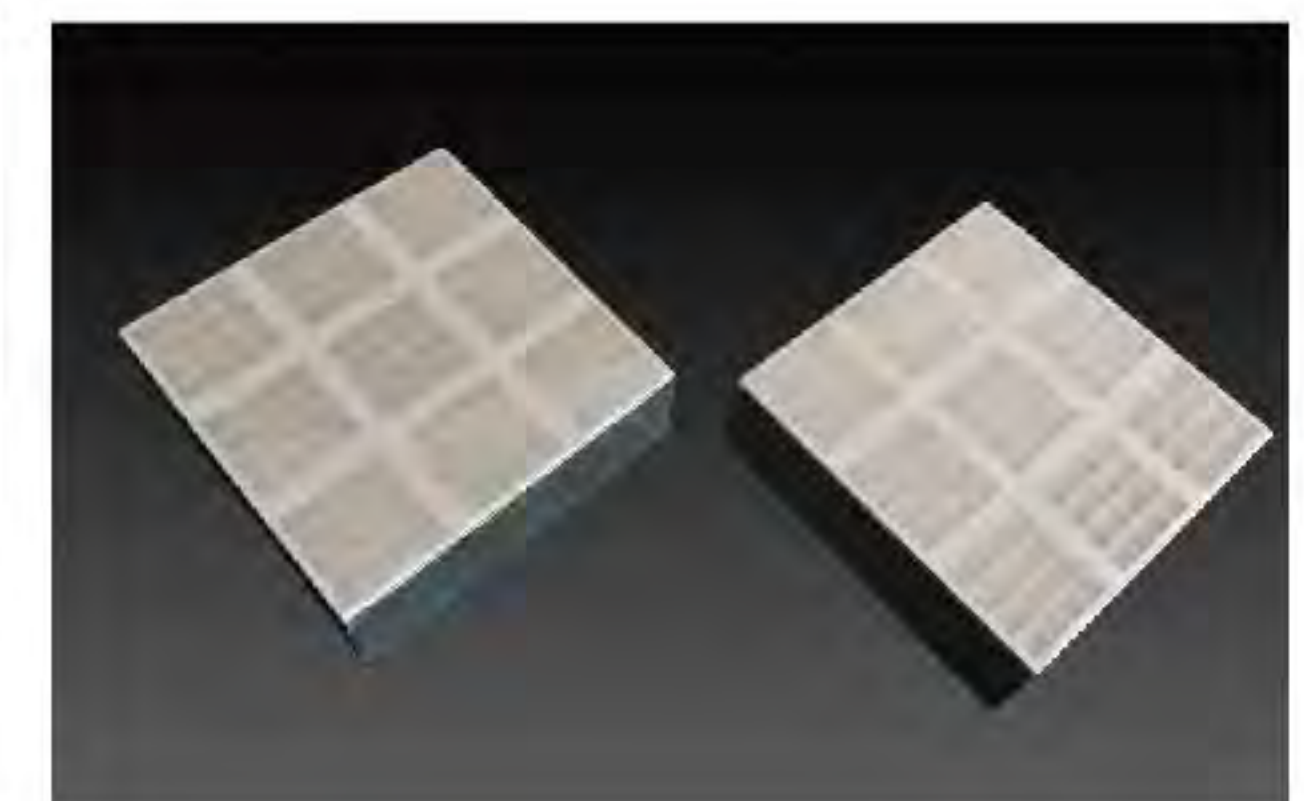
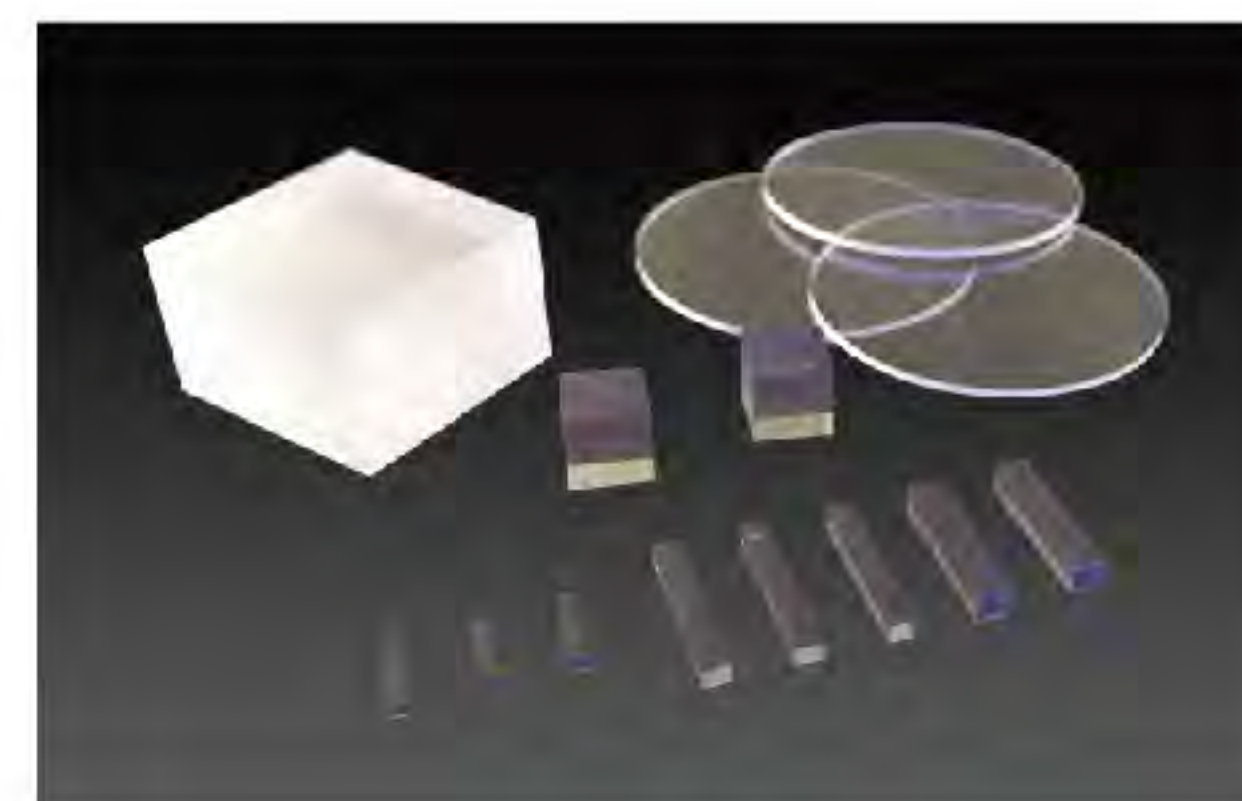
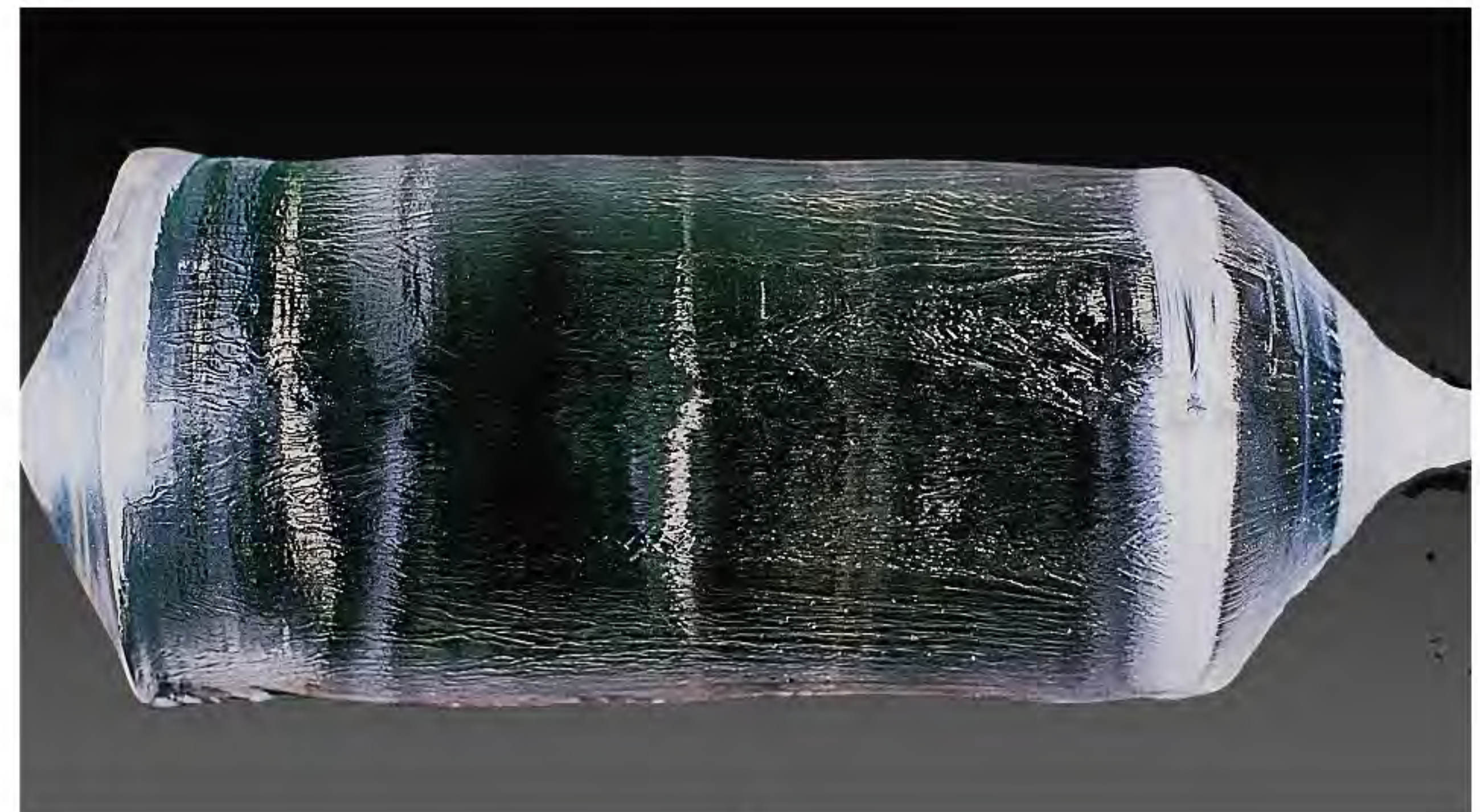
LYSO (Ce) is a new type of scintillator crystal, it has excellent scintillation properties, like high light output, short decay time, also stable physical and mechanical properties, with high density and high Z value as well as strong anti-radiation hardness.

## Scintillation properties

Emission wavelength [nm]	420
Decay time [ns]	42
Light output [Photons/Mev]	29,000
Energy resolution [662 KeV]	10.9%

## Maximum dimension

Diameter [mm]	90
Length [mm]	200



## Characterization

Dimension: 15×15×15mm

PMT:R1306, Reflector: Teflon (0.80 mm), Source: Cesium 137, HV: 650V

Light output 29000 photons/Mev, Energy resolution 10.9%, Decay time 42 ns

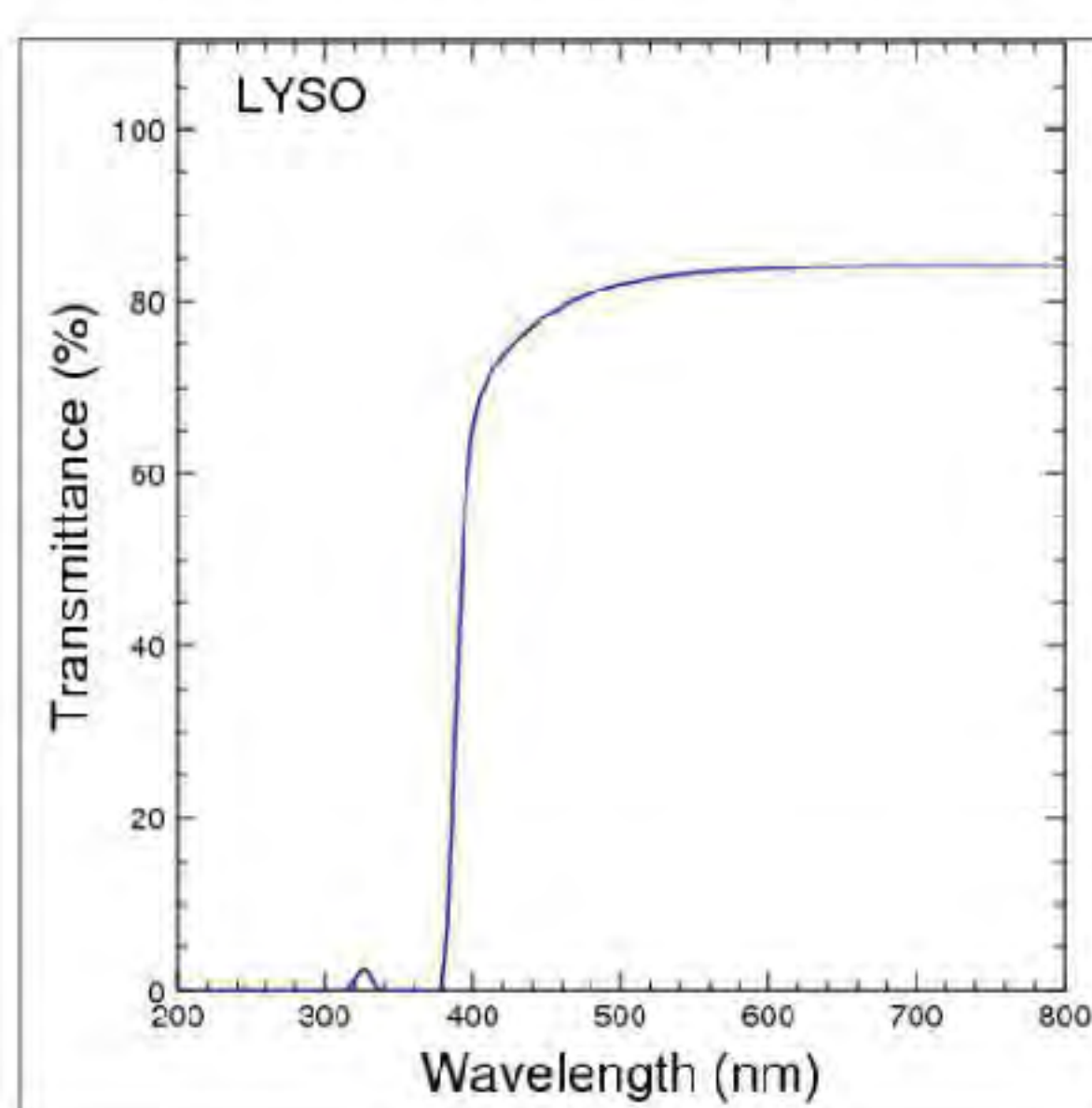


Figure 1 Transmittance curve

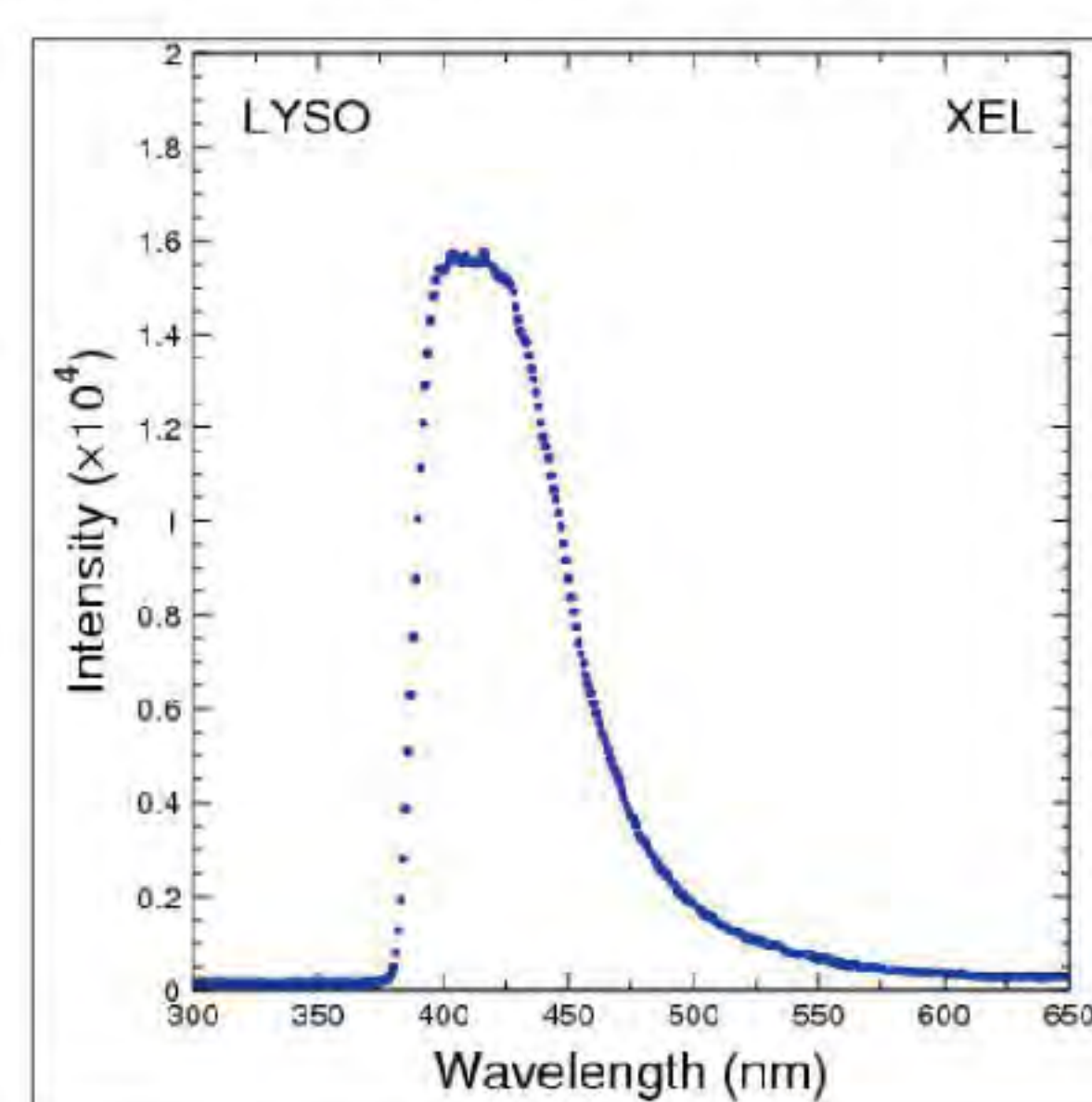


Figure 2 X-Ray excited Luminescence curve

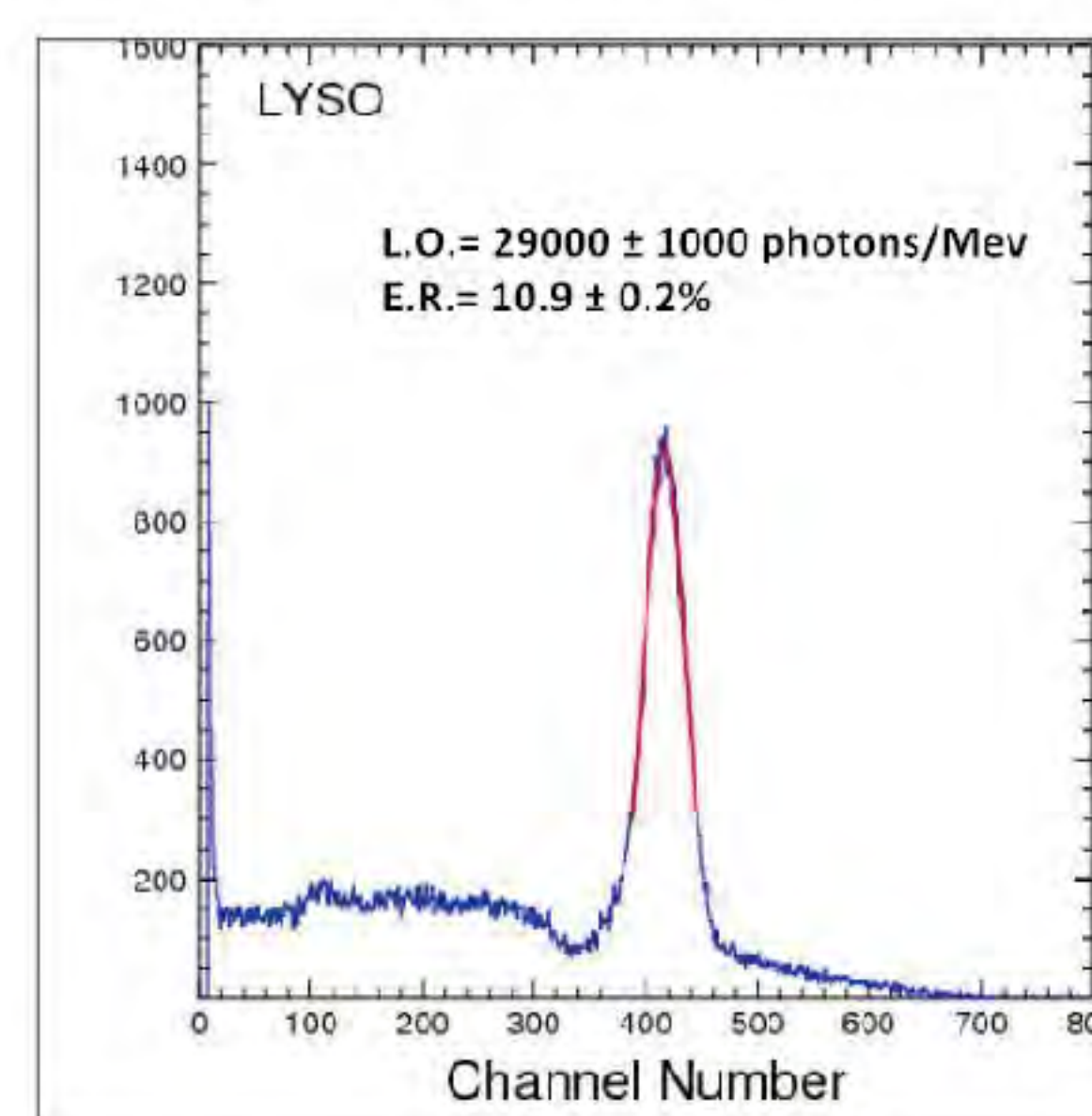


Figure 3 Light output & Energy resolution curve

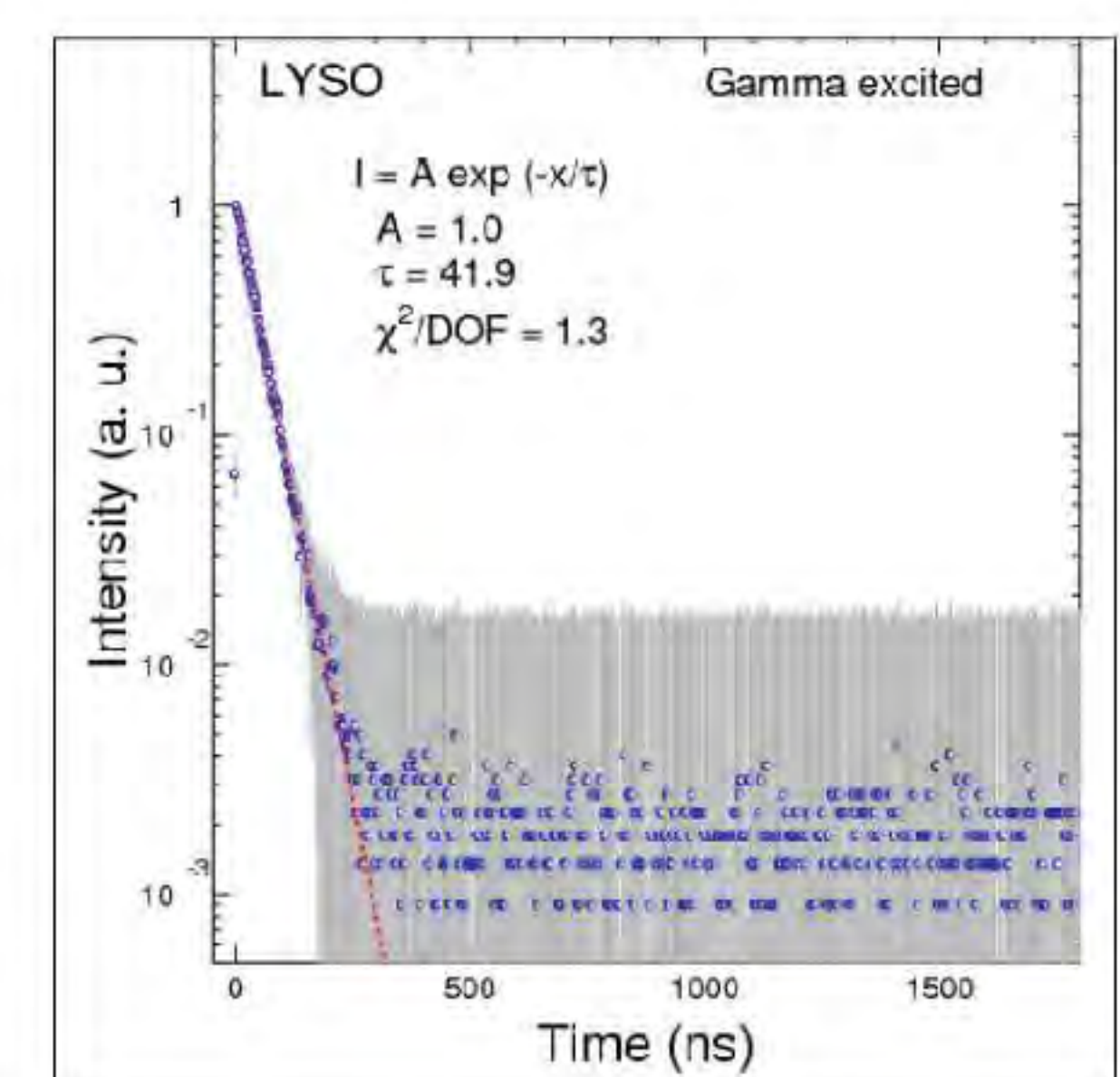


Figure 4 Scintillation decay curve by gamma ray excited

## Contact us

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