

Addressing Current Challenges in OSL Dosimetry Using $\text{MgB}_4\text{O}_7\text{:Ce,Li}$: State of the Art, Limitations and Avenues of Research

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1 OSL and TL intensity - comparison with BeO

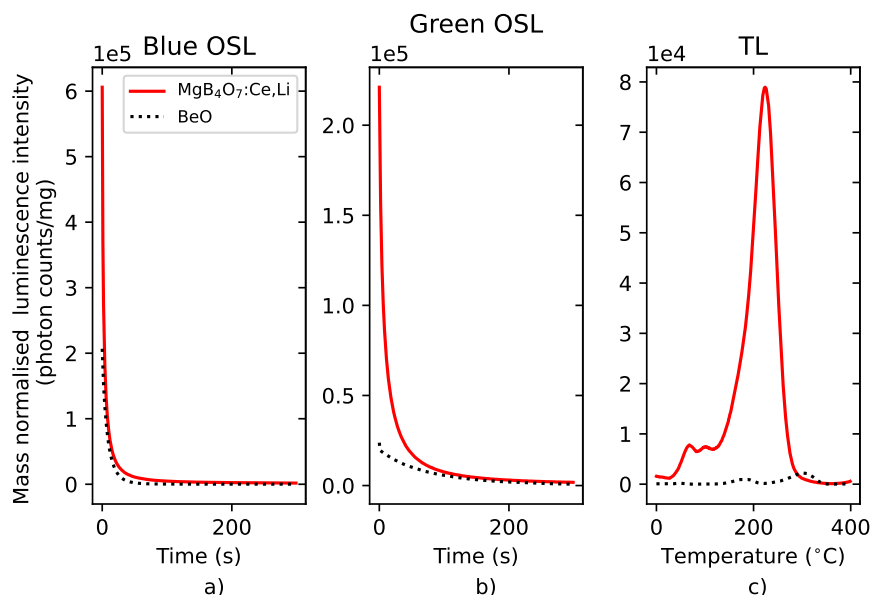


Figure S1: Intensity comparison of the mass normalised signals of $\text{MgB}_4\text{O}_7\text{:Ce,Li}$ and BeO under continuous-wave blue stimulation (a), green stimulation (b) and thermal stimulation (c) following β irradiation 350 mGy. Detection unit: PMT 9235QB; a,b) U-340 filter, c) BG-39.

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2 Time-resolved luminescence - comparison with BeO

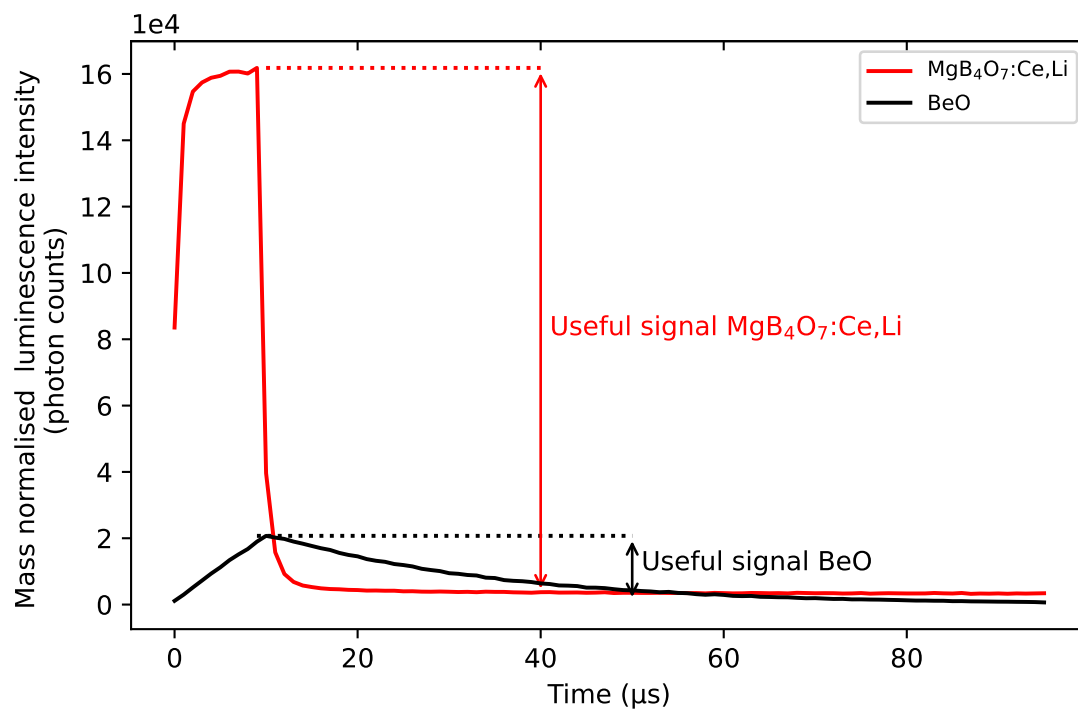


Figure S2: Photon arrival time distribution curves of $\text{MgB}_4\text{O}_7:\text{Ce,Li}$ and BeO following blue stimulation pulse $10\text{ }\mu\text{s}$, following β irradiation 350 mGy . Detection unit: PMT 9235QB; U-340 filter.