

Large Faraday effect and structural properties of heavily Tb³⁺-doped borogermanate glasses: a potential precursor of magneto-optical fibers

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Supplementary Information

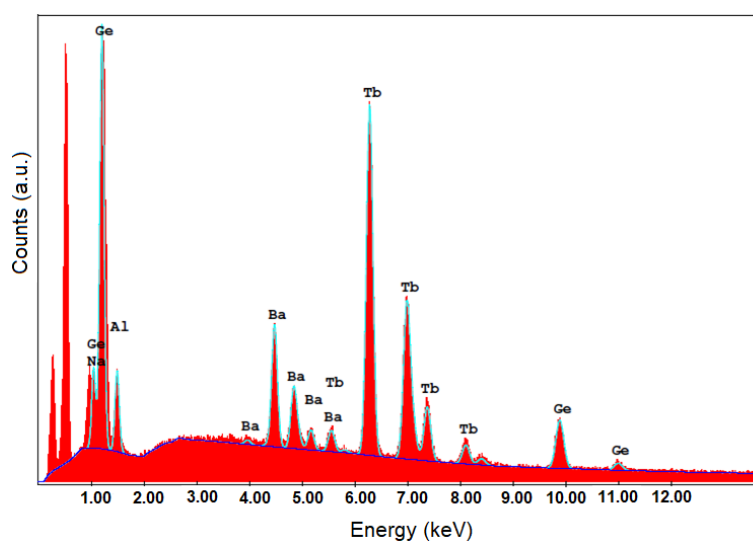


Figure S1. EDS spectrum of the BGB-18Tb glass.

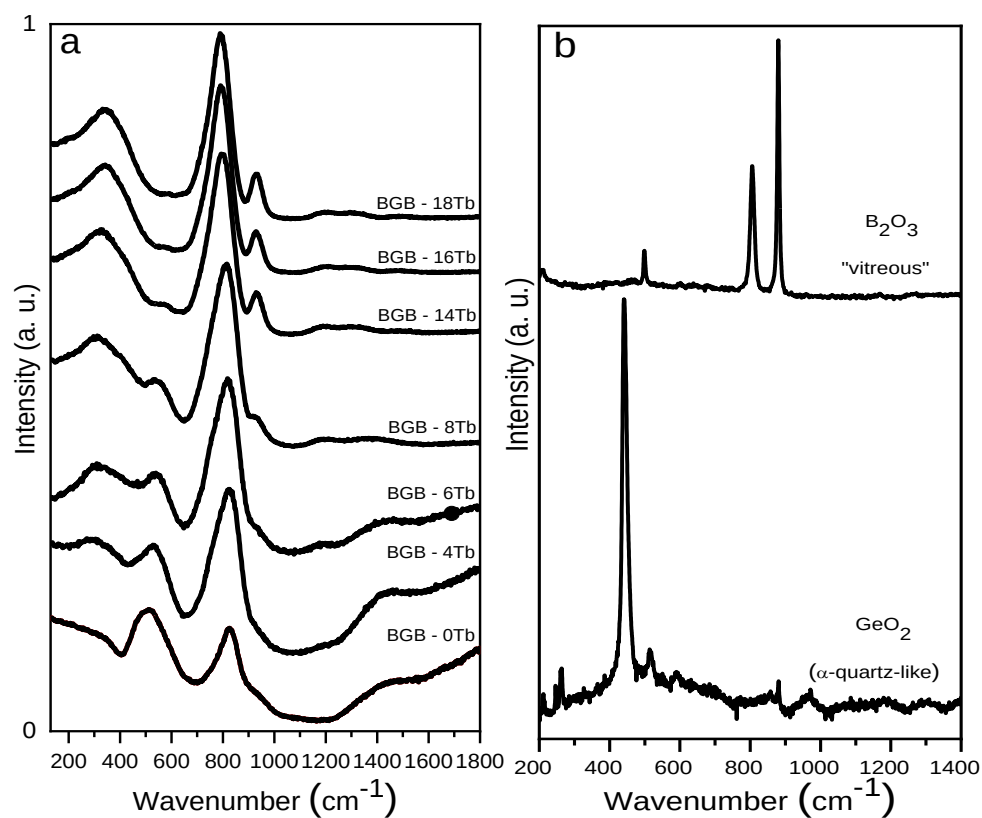


Figure S2. (a) Normalized Raman spectra for all the BGB- x Tb glasses ($x = 0, 4, 6, 8, 14, 16$, and 18 mol% of Tb_4O_7) and (b) Raman spectra of boron oxide (vitreous) and germanium oxide.

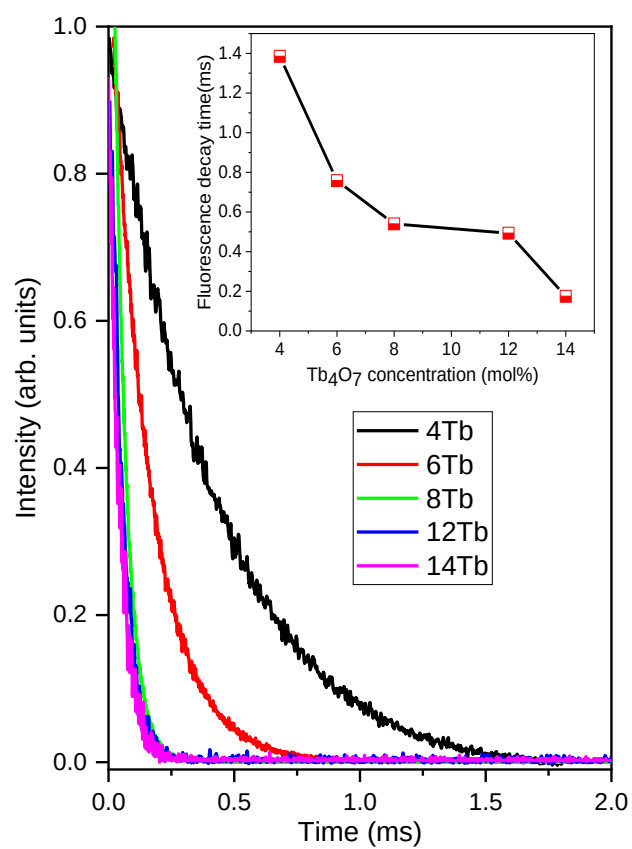


Figure S3. Photoluminescence decay curves for the BGB- x Tb glasses ($4 \leq x \leq 14$ mol% Tb₄O₇) at room temperature.

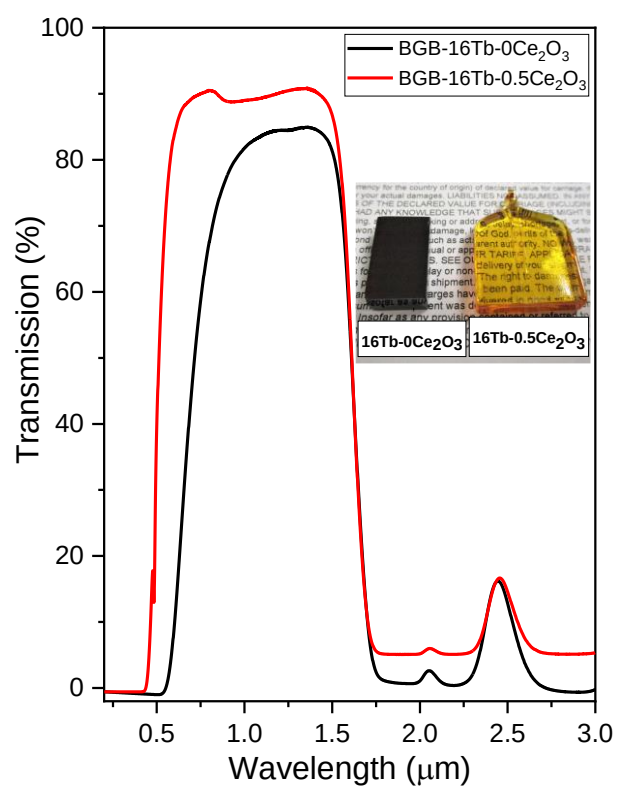


Figure S4. Transmission spectra of the BGB-16Tb glass (undoped and doped with 0.5 mol% Ce_2O_3).