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Raman spectra of hot-pressed B6O: Some new results

By means of the application of an efficient fluorescence background suppression scheme, the first-, second-, and higher- order Raman spectra of B6O was obtained, which till now had been deemed un-observable when the 514.5 nm excitation line is used. We report on the analysis, of the the first-order and second-order Raman spectra and compare these to the Raman spectra or other boron-rich ultra-hard materials.

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