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Cover

Visible emission spectrum of highly charged barium ions and singly charged argon ions in an electron beam ion trap (EBIT) observed with a spectrometer. We successfully demonstrated a novel calibration method for precision wavelength measurements of highly charged ions in the EBIT. The objective peak (BaVIII) and the calibration peaks (ArII) emitted from the same point were simultaneously observed, some error factors derived from a conventional wavelength calibration method were eliminated. (Naoki KIMURA *et al.*, Plasma and Fusion Research, Vol. 14, 1201021 (2019) <http://www.jspf.or.jp/>)