

Abstract Submitted
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Band-gap and the Electronic structure of BN nanotubes DAVID OKAWA, Dept. of Physics, UC Berkeley, California, 94720, SHAUL ALONI, Molecular Foundry MSD, LBNL, Berkeley, California 94720 and Dept. of Physics, UC Berkeley, California, 94720, WILLIAM MICKELSON, GAVI BEGTRUP, MSD, LBNL, Berkeley, California 94720 and Dept. of Physics, UC Berkeley, California, 94720, ALEX ZETTL — A verity of BN nanotubes were studied via high resolution electron energy loss spectroscopy. Careful examination of low energy loss spectra (0-50 eV) the band gap of the single tube can be extracted. Moreover the spectral features give insight into the BN nanotube valence band structure.

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