

RESEARCH OF ELECTRONIC STRUCTURE
IN NdVO₃ AND HoVO₃ OXIDES: X-RAY
ELECTRON SPECTRUM AND *AB INITIO*
CALCULATION OF BAND STRUCTURE

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S u m m a r y

Complex researches of the electron structure and magnetic properties of NdVO₃ and HoVO₃ oxides have been carried out with the use of the X-ray electron spectroscopy and *ab initio* numerical calculations. Data have been obtained concerning the distributions of total and partial electron densities of states in the valence and conduction bands, the charge and spin states of atoms, the mechanism of chemical bond formation, and the band gap in the energy spectra of the oxides under consideration.