

## THE $4^3\Pi_g$ STATE OF $\text{Na}_2$ : VIBRATIONAL NUMBERING AND HYPERFINE STRUCTURE

GUENADIY LAZAROV, MARJATTA LYYRA, *Department of Physics, Temple University, Philadelphia, PA 19122, USA*; LI LI, *Department of Modern Applied Physics, Tsinghua University, Beijing, 100084 CHINA*; JOHN HUENNEKENS, *Department of Physics, Lehigh University, 16 Memorial Dr. East, Bethlehem, PA 18015, USA*.

The  $\text{Na}_2$   $4^3\Pi_g$  state<sup>a</sup> has been studied by continuous wave Perturbation-Facilitated Optical-Optical Double Resonance (PFOODR) fluorescence excitation spectroscopy. The absolute vibrational numbering was determined by resolved fluorescence to the  $\alpha^3\Sigma_u^+$  state. The hyperfine splitting has been resolved and analyzed. The hyperfine constant  $b_F$  is reported.

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