

HIGH RESOLUTION SPECTROSCOPY OF *B* EXCITED STATE OF BENZENE DIMER CATION

K. FURUKAWA, T. KAWASAKI, T. KITAGAWA, E. SHIROTA, T. ICHIYANAGI, S. NISHI, O.A. MATSUZAKI, and H. SATO, *Department of Chemistry for Materials, Faculty of Engineering, Mie University, Tsu 514-8507, Japan.*

High resolution spectrum of *B-X* absorption band of benzene dimer cation in the 600-700 nm region ^a was measured with a Coherent 899-21/899-29 ring dye laser, by monitoring predissociation in an Extrel triple quadrupole mass spectrometer. The spectrum was featured with a ca. 200-cm⁻¹ progression.

^aK. Ohashi and N. Nishi, *J. Chem. Phys.* 95, 4002 (1991); K. Ohashi, Y. Nakai, T. Shibata, and N. Nishi, *Laser Chem.* 14,3 (1994)