

# PHYSICAL REVIEW B

For editorial and subscription correspondence,  
please see inside front cover  
(ISSN: 0163-1829)

## PERIODICALS

Postmaster send address changes to:  
American Institute of Physics  
Suite 1NO1  
2 Huntington Quadrangle  
Melville, NY 11747-4502

THIRD SERIES, VOLUME 60, NUMBER 22

CONTENTS

1 DECEMBER 1999-II

## RAPID COMMUNICATIONS

### Dynamics, dynamical systems, lattice effects, quantum solids, etc.

- Raman-active modes of  $\alpha$ -GeSe<sub>2</sub> and  $\alpha$ -GeS<sub>2</sub>: A first-principles study ..... R14 985  
Koblar Jackson, Arlin Briley, Shau Grossman, Dirk V. Porezag, and Mark R. Pederson  
Surface Brillouin scattering at high pressure: Application to a thin supported gold film ..... R14 990  
J. C. Crowhurst, G. R. Hearne, J. D. Comins, A. G. Every, and P. R. Stoddart

### Magnetism

- Enhanced induced magnetization in coupled magnetic trilayers in the presence of spin fluctuations ..... R14 994  
P. J. Jensen, K. H. Bennemann, P. Pouloupoulos, M. Farle, F. Wilhelm, and K. Baberschke  
Oxygen-isotope effects on La<sub>0.65</sub>Ca<sub>0.35</sub>MnO<sub>3</sub> under pressure ..... R14 998  
Y. S. Wang, A. K. Heilman, B. Lorenz, Y. Y. Xue, C. W. Chu, J. P. Franck, and W. M. Chen  
Paramagnetic phase in single-crystal LaMnO<sub>3</sub> ..... R15 002  
J.-S. Zhou and J. B. Goodenough  
Quantum oscillations in (DMET-TSeF)<sub>2</sub>AuCl<sub>2</sub> ..... R15 005  
N. Biškup, J. S. Brooks, R. Kato, and K. Oshima  
A-type antiferromagnetic and C-type orbital-ordered states in LaMnO<sub>3</sub> using cooperative Jahn-Teller phonons .... R15 009  
Takashi Hotta, Seiji Yunoki, Matthias Mayr, and Elbio Dagotto  
Effect of uniaxial pressure on orbital ordering in Nd<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> ..... R15 013  
Taka-hisa Arima and Kenji Nakamura  
Competing frustration and dilution effects on the antiferromagnetism in La<sub>2-x</sub>Sr<sub>x</sub>Cu<sub>1-z</sub>Zn<sub>z</sub>O<sub>4</sub> ..... R15 017  
I. Ya. Korenblit, Amnon Aharony, and O. Entin-Wohlman  
Transport and magnetic properties of a ferromagnetic metal: Eu<sub>1-x</sub>R<sub>x</sub>TiO<sub>3</sub> ..... R15 021  
T. Katsufuji and Y. Tokura  
Enhancement of ferromagnetic coupling in Sb-substituted Tl<sub>2</sub>Mn<sub>2</sub>O<sub>7</sub> pyrochlores ..... R15 024  
J. A. Alonso, M. J. Martínez-Lope, M. T. Casais, P. Velasco, J. L. Martínez, M. T. Fernández-Díaz, and  
J. M. de Paoli  
Jahn-Teller-like phase transition of TmPd<sub>3</sub>S<sub>4</sub> around 200 K ..... R15 028  
J. Kitagawa, E. Matsuoka, N. Takeda, and M. Ishikawa  
Magnetism in La<sub>8-x</sub>Sr<sub>x</sub>Cu<sub>8</sub>O<sub>20</sub>: A hybrid system with localized one-dimensional Cu-O chains and an itinerant  
three-dimensional Cu-O network ..... R15 031  
T. Ito, H. Yamaguchi, K. Oka, K. Nozawa, and H. Takagi

### Superfluidity and superconductivity

- Pressure effects on anisotropic resistivity in detwinned YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub> : Unconventional carrier doping ..... R15 035  
K. Yoshida, A. I. Rykov, S. Tajima, and I. Terasaki

