

## CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 63, NUMBER 1

1 JANUARY 2001-I

|                                                                                                                                                                  |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Detection of slow modulation wave diffusion in incommensurate barium sodium niobate by $^{93}\text{Nb}$ two-dimensional exchange NMR (3 pages) .....             | 012406 |
| Ligia Muntean and David C. Ailion                                                                                                                                |        |
| Electron paramagnetic resonance spectra near the spin-glass transition in iron oxide nanoparticles (4 pages) ...                                                 | 012407 |
| Yu. A. Koksharov, S. P. Gubin, I. D. Kosobudsky, G. Yu. Yurkov, D. A. Pankratov, L. A. Ponomarenko, M. G. Mikheev, M. Beltran, Y. Khodorkovsky, and A. M. Tishin |        |
| Magnetic and transport properties of polycrystalline $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ (4 pages) .....                        | 012408 |
| M. M. Xavier, Jr., F. A. O. Cabral, J. H. de Araújo, C. Chesman, and T. Dumelow                                                                                  |        |
| On-site magnetization in open antiferromagnetic chains: A classical analysis versus NMR experiments in a spin-1 compound (4 pages) .....                         | 012409 |
| S. Botti, A. Rosso, R. Santachiara, and F. Tedoldi                                                                                                               |        |

### Superfluidity and superconductivity

|                                                                                                                    |        |
|--------------------------------------------------------------------------------------------------------------------|--------|
| Proposed measurements of the small entropy carried by the superfluid component in liquid helium II (4 pages) ..... | 012501 |
| Maria Stella Mongiovì                                                                                              |        |
| Ferromagnetic film on a superconducting substrate (3 pages) .....                                                  | 012502 |
| L. N. Bulaevskii and E. M. Chudnovsky                                                                              |        |
| Combined potential and spin impurity scattering in cuprates (4 pages) .....                                        | 012503 |
| G. Harañ and A. D. S. Nagi                                                                                         |        |

## ARTICLES

### Structure, structural phase transitions, mechanical properties, defects, etc.

|                                                                                                                            |        |
|----------------------------------------------------------------------------------------------------------------------------|--------|
| X-ray study on the evolution of thermal motion in the ferroelectric phase of $\text{NaNO}_2$ (7 pages) .....               | 014101 |
| T. Gohda, M. Ichikawa, T. Gustafsson, and I. Olovsson                                                                      |        |
| Theoretical high-pressure studies of Cs metal (3 pages) .....                                                              | 014102 |
| R. Ahuja, O. Eriksson, and B. Johansson                                                                                    |        |
| Stability of the monoclinic phase in the ferroelectric perovskite $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ (9 pages) ..... | 014103 |
| B. Noheda, D. E. Cox, G. Shirane, R. Guo, B. Jones, and L. E. Cross                                                        |        |

### Inhomogeneous, disordered, and partially ordered systems

|                                                                                                         |        |
|---------------------------------------------------------------------------------------------------------|--------|
| Random background charges and Coulomb blockade in one-dimensional tunnel junction arrays (6 pages) .... | 014201 |
| J. Johansson and D. B. Haviland                                                                         |        |
| Debye-Waller factors in a quasicrystal (5 pages) .....                                                  | 014202 |
| R. Colella, Y. Zhang, J. P. Sutter, S. N. Ehrlich, and S. W. Kycia                                      |        |

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

|                                                                                                    |        |
|----------------------------------------------------------------------------------------------------|--------|
| Low-temperature dynamics of confined methyl iodide (9 pages) .....                                 | 014301 |
| R. M. Dimeo and D. A. Neumann                                                                      |        |
| Stationary and dynamical properties of polarons in the anharmonic Holstein model (7 pages) .....   | 014302 |
| N. K. Voulgarakis and G. P. Tsironis                                                               |        |
| Electron-phonon interaction on bundled structures: Static and transport properties (6 pages) ..... | 014303 |
| Ilaria Meccoli and Massimo Capone                                                                  |        |
| Role of host distortion in the intercalation process (6 pages) .....                               | 014304 |
| E. V. Vakarin, J. P. Badiali, M. D. Levi, and D. Aurbach                                           |        |

(Continued)