PHYSICAL REVIEW B

For editorial and subscription correspondence, please see inside front cover
(ISSN: 1098-0121)

PERIODICALS
Postmaster send address changes to:
APS Subscription Services
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 79, NUMBER 9 *CONTENTS* **MARCH 2009-1(I)**

BRIEF REPORTS

Structure, structural phase transitions, mechanical properties, defects

Surface and subsurface oxygen vacancies in anatase TiO_2 and differences with rutile *(4 pages)* 092101
Hongzhi Cheng and Annabella Selloni

Possible pitfalls in theoretical determination of ground-state crystal structures: The case of platinum nitride *(4 pages)* 092102
Xiuwen Zhang, Giancarlo Trimarchi, and Alex Zunger

Core effects on the energetics of solid Li at high pressure *(4 pages)* 092103
Yansun Yao, John S. Tse, Zhe Song, and Dennis D. Klug

Magnetism

Bose-glass state in one-dimensional random antiferromagnets *(4 pages)* 092401
Hirotaka Manaka, Hiroko Aruga Katori, Oleksandr Viktorovych Kolomiets, and Tuneaki Goto

Intermetallic charge transfer in $FeTiO_3$ probed by resonant inelastic soft x-ray scattering *(4 pages)* 092402
Akane Agui, Takayuki Uozumi, Masaichiro Mizumaki, and Tanel Käämbre

Effects of quantum mechanics on the deflagration threshold in the molecular magnet Mn_{12} acetate *(4 pages)* 092403
F. Macià, J. M. Hernandez, J. Tejada, S. Datta, S. Hill, C. Lampropoulos, and G. Christou

Crystal growth and multiple magnetic transitions of the spin-1 chain system $Ni_2V_2O_7$ *(4 pages)* 092404
Zhangzhen He, Jun-Ichi Yamaura, Yutaka Ueda, and Wendan Cheng

Universal subleading terms in ground-state fidelity from boundary conformal field theory *(4 pages)* 092405
Lorenzo Campos Venuti, Hubert Saleur, and Paolo Zanardi

Magnetoresistance tensor of $La_{0.8}Sr_{0.2}MnO_3$ *(4 pages)* 092406
Y. Bason, J. Hoffman, C. H. Ahn, and L. Klein

Pressure dependence of magnetic entropy change and magnetic transition in $MnAs_{1-x}Sb_x$ *(4 pages)* 092407
H. Wada, S. Matsuo, and A. Mitsuda

Magnetoresistance of as-prepared samples of magnetic multilayers: A unified picture *(4 pages)* 092408
Nathan Wiser, Smadar Shatz, and B. J. Hickey

Reversible strain effect on the magnetization of $LaCoO_3$ films *(4 pages)* 092409
A. Herklotz, A. D. Rata, L. Schultz, and K. Dörr

Copyright 2009 by The American Physical Society

(Continued)

1098-0121(20090301)79:9;1-2

The editors and referees of PRB find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. B 77, 130001 (2008).