

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 60, NUMBER 6

1 AUGUST 1999-II

Fluctuation broadening of the plasma resonance line in the vortex liquid state of layered superconductors	R3743
A. E. Koshelev and L. N. Bulaevskii	
Electron-positron momentum density in $(\text{TMTSF})_2\text{ClO}_4$	R3747
Shoji Ishibashi, Alfred A. Manuel, Masanori Kohyama, Madoka Tokumoto, and Hiroyuki Anzai	

ARTICLES

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

First-principles search for high-pressure phases of GaAsO_4	3751
Wenhui Duan, Renata M. Wentzcovitch, and James R. Chelikowsky	
High-pressure x-ray absorption study of InSe	3757
J. Pellicer-Porres, A. Segura, V. Muñoz, and A. San Miguel	
KV_6O_{11} : A magnetic metal synthesized at high pressure	3764
Yasushi Kanke	
Ionization threshold of crystalline LiF	3777
Hiroshi Tatewaki	
Photoconversion and dynamic hole recycling process in anion vacancies in neutron-irradiated MgO crystals	3787
M. A. Monge, R. González, J. E. Muñoz Santiuste, R. Pareja, Y. Chen, E. A. Kotomin, and A. I. Popov	
Characterization of γ -irradiated polymethyl methacrylate by means of mechanical properties and positron annihilation lifetime spectroscopy	3792
G. H. Rubiolo, A. Somoza, S. N. Goyanes, G. Consolati, and A. J. Marzocca	
Kinetic Monte Carlo simulation of dislocation dynamics	3799
Karin Lin and D. C. Chrzan	
Phase front and domains during the paraelectric-ferroelectric transition in KD_2PO_4 : Optical observation and dielectric contributions	3806
Jean Bornarel and Ryszard Cach	
ELNES spectroscopy and XANES calculations of the O K edge: Orientation dependence and effects of protons in $\text{Mg}(\text{OH})_2$	3815
P. A. van Aken, Z. Y. Wu, F. Langenhorst, and F. Seifert	
Structure and energetics of H_{15}^+ hydrogen clusters	3821
B. Farizon, M. Farizon, H. Razafinjanahary, and H. Chermette	
Mechanism of surface influence on dislocation loop yield in copper and Cu_3Au	3829
V. G. Kapinos and D. J. Bacon	
<i>Ab initio</i> full-potential study of the structural and magnetic phase stability of iron	3839
H. C. Herper, E. Hoffmann, and P. Entel	
Polarized laser excitation, electron paramagnetic resonance, and crystal-field analyses of Sm^{3+} -doped LiYF_4	3849
J.-P. R. Wells, M. Yamaga, T. P. J. Han, H. G. Gallagher, and M. Honda	

Inhomogeneous, disordered, and partially ordered systems

Electron spin resonance study of the polymeric phase of $\text{Na}_2\text{RbC}_{60}$	3856
Denis Arçon, Kosmas Prassides, Serena Margadonna, Anna-Lisa Maniero, Louis C. Brunel, and Katsumi Tanigaki	
Statistical mechanics of permanent random atomic and molecular networks: Structure and heterogeneity of the amorphous solid state	3862
Konstantin A. Shakhnovich and Paul M. Goldbart	
Structure of fast-ion-conducting AgI -doped borate glasses in bulk and thin film forms	3885
C. P. Varsamis, E. I. Kamitsos, and G. D. Chryssikos	
Surface structure of $i\text{-Al}_{68}\text{Pd}_{23}\text{Mn}_9$: An analysis based on the $\mathcal{T}^{*(2F)}$ tiling decorated by Bergman polytopes	3899
G. Kasner, Z. Papadopolos, P. Kramer, and D. E. Bürgler	

(Continued)