

Relative energy spectrum of the $^6\mathrm{He} + n$ system, showing on the left a newly observed ^{7}He excited-state resonance at $I^\pi = 1/2^-$. This state is interpreted to be a neutron in a $p_{1/2}$ orbital coupled to the ^{6}He ground state. The experimentally determined position of this resonance is in reasonable agreement with recent quantum Monte Carlo calculations of the ^{7}He system. The energies shown are in MeV. See article 102501.

PHYSICAL REVIEW LETTERS

Contents

VOLUME 88, NUMBER 10 11 March 2002

General Physics

Using Novel Variable Transformations to Enhance Conformational Sampling in Molecular Dynamics 100201
Zhongwei Zhu, Mark E. Tuckerman, Shane O. Samuelson, and Glenn J. Martyna
Multimode Interferometer for Guided Matter Waves 100401
Erika Andersson, Tommaso Calarco, Ron Folman, Mauritz Andersson, Björn Hessmo, and Jörg Schmiedmayer
Localized Single-Photon Wave Functions in Free Space 100402
K. W. Chan, C. K. Law, and J. H. Eberly
Observable Dirac-Type Singularities in Berry's Phase and the Monopole 100403
Rajendra Bhandari
Matter-Wave Interferometer for Large Molecules 100404
Björn Brezger, Lucia Hackermüller, Stefan Uttenthaler, Julia Petschinka, Markus Arndt, and Anton Zeilinger

Gravitation and Astrophysics

A Rotating Black Ring Solution in Five Dimensions 101101
Roberto Emparan and Harvey S. Reall
A Uniqueness Theorem for the Anti–de Sitter Soliton 101102
G. J. Galloway, S. Surya, and E. Woolgar
Hall-Drift Induced Magnetic Field Instability in Neutron Stars 101103
M. Rheinhardt and U. Geppert
Gravothermal Collapse of Self-Interacting Dark Matter Halos and the Origin of Massive Black Holes 101301
Shmuel Balberg and Stuart L. Shapiro

Elementary Particles and Fields

Generalized Symmetry Breaking on Orbifolds 101601
Jonathan A. Bagger, Ferruccio Feruglio, and Fabio Zwirner
Spontaneously Broken Spacetime Symmetries and Goldstone's Theorem 101602
Ian Low and Aneesh V. Manohar
Demonstration of the Lateral Casimir Force 101801
F. Chen, U. Mohideen, G. L. Klimchitskaya, and V. M. Mostepanenko
Measurements of the Cross Section for $e^+e^- \to$ Hadrons at Center-of-Mass Energies from 2 to 5 GeV 101802
J. Z. Bai *et al.* (BES Collaboration)
Observation of Exclusive $\bar{B} \to D^{(*)}K^{*-}$ Decays 101803
R. Mahapatra *et al.* (CLEO Collaboration)
How Sensitive is a Neutrino Factory to the Angle θ_{13}? 101804
P. Huber, T. Schwetz, and J. W. F. Valle

(Continued on Third Cover)

PRL 88 (10), 100201–109904, 11 March 2002 (248 total pages)

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Measurement of $B \to K^* \gamma$ Branching Fractions and Charge Asymmetries 101805
B. Aubert *et al.* (*BABAR* Collaboration)
Towards Collinear Evolution Equations in Electroweak Theory 102001
Marcello Ciafaloni, Paolo Ciafaloni, and Denis Comelli
Masses of the 70^- Baryons in Large N_c QCD 102002
C. L. Schat, J. L. Goity, and N. N. Scoccola

Nuclear Physics
Longitudinal Flow of Protons from $(2-8)A$ GeV Central Au + Au Collisions 102301
J. L. Klay *et al.* (E895 Collaboration)
Spin-Momentum Correlations in Quasielastic Electron Scattering from Deuterium 102302
I. Passchier, L. D. van Buuren, D. Szczerba, R. Alarcon, Th. S. Bauer, D. J. Boersma, J. F. J. van den Brand, H. J. Bulten, R. Ent, M. Ferro-Luzzi, M. Harvey, P. Heimberg, D. W. Higinbotham, S. Klous, H. Kolster, J. Lang, B. L. Militsyn, D. Nikolenko, G. J. L. Nooren, B. E. Norum, H. R. Poolman, I. Rachek, M. C. Simani, E. Six, H. de Vries, K. Wang, and Z.-L. Zhou
Evidence for a New Low-Lying Resonance State in ^{7}He 102501
M. Meister, K. Markenroth, D. Aleksandrov, T. Aumann, L. Axelsson, T. Baumann, M. J. G. Borge, L. V. Chulkov, W. Dostal, B. Eberlein, Th. W. Elze, H. Emling, C. Forssén, H. Geissel, M. Hellström, R. Holzmann, B. Jonson, J. V. Kratz, R. Kulessa, Y. Leifels, A. Leistenschneider, I. Mukha, G. Münzenberg, F. Nickel, T. Nilsson, G. Nyman, A. Richter, K. Riisager, C. Scheidenberger, G. Schrieder, H. Simon, O. Tengblad, and M. V. Zhukov
Quadrupole Moment of the 11^- Intruder Isomer in ^{196}Pb and Its Implications for the 16^- Shears Band Head 102502
K. Vyvey, S. Chmel, G. Neyens, H. Hübel, D. L. Balabanski, D. Borremans, N. Coulier, R. Coussement, G. Georgiev, N. Nenoff, S. Pancholi, D. Rossbach, R. Schwengner, S. Teughels, and S. Frauendorf

Atomic, Molecular, and Optical Physics
Measurement of Absolute Cross Sections for Excitation of the $3s^2 3p^5\,{}^2\mathrm{P}^o_{3/2}$-$3s^2 3p^5\,{}^2\mathrm{P}^o_{1/2}$ Fine-Structure Transition in Fe^{9+} 103201
M. Niimura, I. Čadež, S. J. Smith, and A. Chutjian
Simultaneous Projectile-Target Ionization: A Novel Approach to $(e, 2e)$ Experiments on Ions 103202
H. Kollmus, R. Moshammer, R. E. Olson, S. Hagmann, M. Schulz, and J. Ullrich
Transporting and Time Reversing Light via Atomic Coherence 103601
A. S. Zibrov, A. B. Matsko, O. Kocharovskaya, Y. V. Rostovtsev, G. R. Welch, and M. O. Scully

Nonlinear Dynamics, Fluid Dynamics, Classical Optics, etc.
Generation of Single Dispersion Precompensated 1-fs Pulses by Shaped-Pulse Optimized High-Order Stimulated Raman Scattering 103901
Vladimir Kalosha, Michael Spanner, Joachim Herrmann, and Misha Ivanov
Observed Scattering into a Dark Optical Vortex Core 103902
David Palacios, David Rozas, and Grover A. Swartzlander, Jr.
Leading Off-Diagonal Correction to the Form Factor of Large Graphs 104101
Gregory Berkolaiko, Holger Schanz, and Robert S. Whitney
Ultrasound Tunneling through 3D Phononic Crystals 104301
Suxia Yang, J. H. Page, Zhengyou Liu, M. L. Cowan, C. T. Chan, and Ping Sheng
New Effect in Near-Field Thermal Emission 104302
K. P. Gaikovich, A. N. Reznik, V. L. Vaks, and N. V. Yurasova

Plasma and Beam Physics
Novel Method for Multiturn Extraction: Trapping Charged Particles in Islands of Phase Space 104801
R. Cappi and M. Giovannozzi
Generation of GW Radiation Pulses from a VUV Free-Electron Laser Operating in the Femtosecond Regime 104802
V. Ayvazyan *et al.*

(Continued on Preceding Page)

Control of Neoclassical Tearing Modes by Sawtooth Control 105001
O. Sauter, E. Westerhof, M. L. Mayoral, B. Alper, P. A. Belo, R. J. Buttery, A. Gondhalekar, T. Hellsten, T. C. Hender, D. F. Howell, T. Johnson, P. Lamalle, M. J. Mantsinen, F. Milani, M. F. F. Nave, F. Nguyen, A. L. Pecquet, S. D. Pinches, S. Podda, and J. Rapp

Alpha-Tail Production with Ion-Cyclotron-Resonance Heating of ^{4}He-Beam Ions in JET Plasmas 105002
M. J. Mantsinen, M.-L. Mayoral, V. G. Kiptily, S. E. Sharapov, B. Alper, A. Bickley, M. de Baar, L.-G. Eriksson, A. Gondhalekar, T. Hellsten, K. Lawson, F. Nguyen, J.-M. Noterdaeme, E. Righi, A. A. Tuccillo, and M. Zerbini

Measurements of Nonlinear Growth of Ion-Acoustic Waves in Two-Ion-Species Plasmas with Thomson Scattering ... 105003
D. H. Froula, L. Divol, and S. H. Glenzer

Effects of Circulating Energetic Ions on Sawtooth Oscillations 105004
Shaojie Wang, Takahisa Ozeki, and Kenji Tobita

From Current-Driven to Neoclassically Driven Tearing Modes 105005
H. Reimerdes, O. Sauter, T. Goodman, and A. Pochelon

Condensed Matter: Structure, etc.

Coherent Optical Phonon Oscillations in Bulk GaN Excited by Far below the Band Gap Photons 105501
K. J. Yee, K. G. Lee, E. Oh, D. S. Kim, and Y. S. Lim

Hot Nanotubes: Stable Heating of Individual Multiwall Carbon Nanotubes to 2000 K Induced by the Field-Emission Current 105502
S. T. Purcell, P. Vincent, C. Journet, and Vu Thien Binh

A Novel Monte Carlo Scheme for the Rapid Equilibration of Atomistic Model Polymer Systems of Precisely Defined Molecular Architecture 105503
Nikos Ch. Karayiannis, Vlasis G. Mavrantzas, and Doros N. Theodorou

Hydrodynamics of Topological Defects in Nematic Liquid Crystals 105504
Géza Tóth, Colin Denniston, and J. M. Yeomans

Fractal Geometry of Surface Areas of Sand Grains Probed by Pulsed Field Gradient NMR 105505
Frank Stallmach, Corina Vogt, Jörg Kärger, Katrin Helbig, and Franz Jacobs

Formation of Vacancy-Impurity Complexes by Kinetic Processes in Highly As-Doped Si 105506
V. Ranki, J. Nissilä, and K. Saarinen

Key to Understanding Interstitial H_2 in Si 105507
E Elinor Chen, Michael Stavola, W. Beall Fowler, and Peter Walters

X-ray Photoelectron Spectroscopy Study of Disordering in $Gd_2(Ti_{1-x}Zr_x)_2O_7$ Pyrochlores 105901
J. Chen, J. Lian, L. M. Wang, R. C. Ewing, R. G. Wang, and W. Pan

Behavior of Partial Monolayers of Argon Adlayers Deposited on Graphite 106101
Elijah Flenner and Richard D. Etters

Limits of the Hydrodynamic No-Slip Boundary Condition 106102
Yingxi Zhu and Steve Granick

Condensed Matter: Electronic Properties, etc.

Phase Separation due to Quantum Mechanical Correlations 106401
James K. Freericks, Elliott H. Lieb, and Daniel Ueltschi

Josephson Current in Luttinger Liquid-Superconductor Junctions 106402
J.-S. Caux, H. Saleur, and F. Siano

Coupling between Spin and Orbital Degrees of Freedom in $KCuF_3$ 106403
L. Paolasini, R. Caciuffo, A. Sollier, P. Ghigna, and M. Altarelli

Strong Enhancement of Drag and Dissipation at the Weak- to Strong-Coupling Phase Transition in a Bilayer System at a Total Landau Level Filling $\nu = 1$ 106801
Ady Stern and B. I. Halperin

Electronic Structure of the Trilayer Cuprate Superconductor $\mathbf{Bi_2Sr_2Ca_2Cu_3O_{10+\delta}}$ 107001
D. L. Feng, A. Damascelli, K. M. Shen, N. Motoyama, D. H. Lu, H. Eisaki, K. Shimizu, J.-i. Shimoyama, K. Kishio, N. Kaneko, M. Greven, G. D. Gu, X. J. Zhou, C. Kim, F. Ronning, N. P. Armitage, and Z.-X Shen

(Continued on Preceding Page)

Contents (Continued)

Nonmonotonic $d_{x^2-y^2}$ Superconducting Order Parameter in $Nd_{2-x}Ce_xCuO_4$ 107002
G. Blumberg, A. Koitzsch, A. Gozar, B. S. Dennis, C. A. Kendziora, P. Fournier, and R. L. Greene
Band Structure and Density of States Effects in Co-Based Magnetic Tunnel Junctions 107201
P. LeClair, J. T. Kohlhepp, C. H. van de Vin, H. Wieldraaijer, H. J. M. Swagten, W. J. M. de Jonge, A. H. Davis, J. M. MacLaren, J. S. Moodera, and R. Jansen
Inhomogeneous Magnetism in Single Crystalline $Sr_3CuIrO_{6+\delta}$: Implications to Phase-Separation Concepts 107202
Asad Niazi, P. L. Paulose, and E. V. Sampathkumaran
Ferroelectric Domain Structure of $SrBi_2Nb_2O_9$ Epitaxial Thin Films 107601
M. A. Zurbuchen, G. Asayama, D. G. Schlom, and S. K. Streiffer

Interdisciplinary Physics: Biological Physics, Quantum Information, etc.
Anisotropy and Magnetic Field Effects on the Entanglement of a Two Qubit Heisenberg *XY* Chain 107901
G. Lagmago Kamta and Anthony F. Starace
The Stress Tensor in Entangled Polymers 108301
F. Greco
Fluctuation-Driven Dynamics of the Internet Topology 108701
K.-I. Goh, B. Kahng, and D. Kim

Errata
Erratum: Particle Segregation in Vibrofluidized Beds due to Buoyant Forces [Phys. Rev. Lett. **87**, 084302 (2001)] 109901
Nagendra Shishodia and Carl R. Wassgren
Erratum: Algebraic Fermi Liquid from Phase Fluctuations: "Topological" Fermions, Vortex "berryons," and QED_3 Theory of Cuprate Superconductors [Phys. Rev. Lett. **87**, 257003 (2001)] 109902
M. Franz and Z. Tešanović
Erratum: Stationary Polaron Motion in a Polymer Chain at High Electric Fields [Phys. Rev. Lett. **88**, 056401 (2002)] 109903
D. M. Basko and E. M. Conwell
Erratum: Boundary Conditions for the Pauli Equation: Application to Photodetachment of Cs^- [Phys. Rev. Lett. **87**, 123003 (2001)] 109904
C. Bahrim, I. I. Fabrikant, and U. Thumm