1. Relativistic description of BCS - BEC crossover in nuclear matter

B. Y. Sun, Hiroshi Toki, J. Meng

Physics Letters B 683 (2010) 134-139

2. Direct measurement of the 4.6 MeV isomer in stored bare ¹³³Sb ions

B. Sun, R. Knöbel, H. Geissel et al.

Physics Letters B 688 (2010) 294-297

3. Neutron halo in deformed nuclei

S.G. Zhou, J. Meng, P. Ring, and E.G Zhao

Phys. Rev. C 81, (2010) 011301(R)

4. Coexistence of collective and noncollective structures in 118Sn

S. Y. Wang, D. P. Sun, B. T. Duan et al.

Phys. Rev. C 81, (2010) 017301

5. Relativistic Hartree-Fock-Bogoliubov theory with density dependent meson-nucleon couplings

W. H. Long, P. Ring, N. Van Giai, and J. Meng

Phys. Rev. C 81, (2010) 024308

6. Nuclear halo structure and pseudospin symmetry

W. H. Long , P. Ring, J. Meng , N. Van Giai, and C. A. Bertulani

Phys. Rev. C 81, (2010) 031302(R)

7. Octupole degree of freedom for the critical-point candidate nucleus ¹⁵²Sm in a reflection-asymmetric relativistic mean-field approach

W. Zhang, Z. P. Li, S. Q. Zhang , and J. Meng Phys. Rev. C 81, (2010) 034302

8. Single-particle resonances in a deformed Dirac equation

Z. P. Li, J. Meng, Y. Zhang, S. G. Zhou, and L. N. Savushkin Phys. Rev. C 81, (2010) 034311

9. Microscopic description of spherical to γ -soft shape transitions in Ba and Xe nuclei

Z. P. Li, T. Nikšic, D. Vretenar, and J. Meng Phys. Rev. C 81, (2010) 034316

10. Relativistic energy density functionals: Low-energy collective states of ²⁴⁰Pu and ¹⁶⁶Er

Z. P. Li, T. Nikšic, D. Vretenar, P. Ring, and J. Meng Phys. Rev. C 81, (2010) 064321

11.Configuration mixing of angular-momentum-projected triaxial relativistic mean-field wave functions

J. M. Yao, J. Meng, P. Ring, and D. Vretenar Phys. Rev. C 81, (2010) 044311

12. Tensor effects in shell evolution at Z, N = 8, 20, and 28 using nonrelativistic and relativistic mean-field theory

M. Moreno-Torres, M. Grasso, H. Liang, V. De Donno, M. Anguiano, and N. Van Giai Phys. Rev. C 81, (2010) 064327

13. New parametrization for the nuclear covariant energy density functional with a point-coupling interaction

P. W. Zhao, Z. P. Li , J. M. Yao , J. Meng Phys. Rev. C 82, 054319 (2010)

14. Chiral geometry of higher excited bands in triaxial nuclei with particle-hole configuration

Q. B. Chen, J. M. Yao, S. Q. Zhang, and B. Qi

15. Open problems in understanding the nuclear chirality

Jie Meng and S Q Zhang

J. Phys. G: Nucl. Part. Phys. 37 (2010) 064025 (11pp)

16. Spin symmetry in Dirac negative-energy spectrum in density-dependent relativistic Hartree-Fock theory

H.Z. Liang, W. H. Long, J. Meng and N. Van Giai

Eur. Phys. J. A 44, (2010) 119 - 124

17. Avoid the tsunami of the Dirac sea in the imaginary time step method

Y. Zhang, H. Z. Liang, and J. Meng

International Journal of Modern Physics E Vol. 19, No. 1 (2010) 55 - 62

18. Convergence for Imaginary Time Step evolution in the Fermi and Dirac seas

F.Q.Li, Y. Zhang and J. Meng

Science in China Series G 53 (2010) 327-330

19. Single-particle resonances in a deformed relativisti potential

Z.P. Li, Y. Zhang, D. Vretenar and J. Meng

Science in China Series G 53 (2010) 773-778

20. Search for Ring-Like Nuclei under Extreme Conditions

W. Zhang, H.Z. Liang, S.Q. Zhang, J. Meng

CHIN. PHYS. LETT. 27(2010) 102103

21. Octupole Deformations of Even-Even Rn, Th, and U Nuclei in Relativistic Mean Field Theory

N. Wang, J. Meng and E.G. Zhao

Commun. Theor. Phys. (Beijing, China) 53 (2010)1145 - 1148

22. Polarization Effect on the Spin Symmetry for Anti-Lambda Spectrum in ¹⁶O+Anti-Lambda System

C.Y. Song, J.M. Yao

Chinese Physics C 34(9), 1425-1427 (2010).

23. Octupole deformation for Ba isotopes in a reflection-asymmetric relativistic mean-field approach

W. Zhang, Z. P. Li, and S. Q. Zhang

Chin. Phys. C 34(8), (2010) 1094

24. Covariant Density Functional Theory for Nuclear Structure and Application in Astrophysics

J. Meng, Z. P. Li, H. Z. Liang et al.

Nuclear Physics A 834 (2010) 436c - 439c

25. Precise measurement of nuclear isomers in the storage ring at GSI

B. Sun, F. Bosch, D. Boutin, C. Brandau et al.

Nuclear Physics A 834 (2010) 476c - 478c

26. Nuclear excitations and weak interaction rates at finite temperature

N. Paar, T. Marketin, D. Vretenar, Y. F. Niu, G. Coló, E. Khan, J. Meng

Modern Physics Letters A Vol. 25, Nos. 21 - 23 (2010) 1767 - 177

27. Isospin symmetry-breaking corrections for superallowed β decay in relativistic RPA approaches

H.Z. Liang, N. Van Giai and J. Meng

Journal of Physics: Conference Series 205 (2010) 012028

28. New aspects of chiral symmetry breaking in atomic nucleus

J. Meng, S. Q. Zhang, B. Qi and S. Y. Wang

Journal of Physics: Conference Series 205 (2010) 012030

29. Spin-isospin resonances with relativistic RPA approaches

J. Meng, H.Z. Liang, and N. Van Giai CP1235, Nuclear Physics Trends:

The 7th China-Japan Joint Nuclear Physics Symposium

30. 相对论平均场理论中 Zr 同位素链壳修正的微观研究

李茂琼, 孙保元, 张双全

中国科学, 2010 年第 40 卷第 1 期: 69~76

31. 原子核质量精密测量的研究进展

孙保华, 孟杰

物理, 2010 年第 39 卷第 10 期: 666~673

32. 锡 132 的双幻核特性检验

孟杰,张颖,陈启博编译自 Physics Today 2010, (8): 16 物理, 2010 年第 39 卷第 8 期: 570 ~ 571

33. RMF 理论中 Zr 同位素链壳结构的形变依赖性

李茂琼, 赵鹏巍, 孙保元

原子核物理评论, 27 卷, 1 期, 38~42 页