

1. Resolution of chiral conundrum in ^{106}Ag : Doppler-shift lifetime investigation

E. O. Lieder, R. M. Lieder, R. A. Bark, Q. B. Chen, S. Q. Zhang, J. Meng, E. A. Lawrie, J. J. Lawrie, S. P. Bvumbi, N. Y. Kheswa, S. S. Ntshangase, T. E. Madiba, P. L. Masiteng, S. M. Mullins, S. Murray, P. Papka, D. G. Roux, O. Shirinda, Z. H. Zhang, P. W. Zhao, Z. P. Li, J. Peng, B. Qi, S. Y. Wang, Z. G. Xiao, and C. Xu
Physical Review Letters **112**, 202502 (2014)

2. Multiple chiral doublet bands of identical configuration in ^{103}Rh

I. Kuti, Q. B. Chen, J. Timár, D. Sohler, S. Q. Zhang, Z. H. Zhang, P. W. Zhao, J. Meng, K. Starosta, T. Koike, E. S. Paul, D. B. Fossan, and C. Vaman
Physical Review Letters **113**, 032501 (2014)

3. Surface diffuseness correction in global mass formula

Ning Wang, Min Liu, Xizhen Wu, and Jie Meng

Physics Letters B **734**, 215 (2014)

4. Spectroscopy of ^{74}Ge : From soft to rigid triaxiality

J. J. Sun, Z. Shi, X. Q. Li, H. Hua, C. Xu, Q. B. Chen, S. Q. Zhang, C. Y. Song, J. Meng, X. G. Wu, S. P. Hu, H. Q. Zhang, W. Y. Liang, F. R. Xu, Z. H. Li, G. S. Li, C. Y. He, Y. Zheng, Y. L. Ye, D. X. Jiang, Y. Y. Cheng, C. He, R. Han, Z. H. Li, C. B. Li, H. W. Li, J. L. Wang, J. J. Liu, Y. H. Wu, P. W. Luo, S. H. Yao, B. B. Yu, X. P. Cao, and H. B. Sun

Physics Letters B **734**, 308 (2014)

5. Baryon chiral perturbation theory with Wilson fermions up to $\mathcal{O}(a^2)$ and discretization effects of latest $n_f = 2 + 1$ LQCD octet baryon masses

Xiu-Lei Ren, Li-Sheng Geng, and Jie Meng

The European Physical Journal C **74**, 2754 (2014)

6. Decuplet baryon masses in covariant baryon chiral perturbation theory

Xiu-Lei Ren, Li-Sheng Geng, and Jie Meng
Physical Review D **89**, 054034 (2014)

7. Explanation of the simplicity of the quadrupole moments recently observed in Cd isotopes from covariant density functional theory

P. W. Zhao (赵鹏巍), S. Q. Zhang (张双全), and J. Meng (孟杰)
Physical Review C **89**, 011301(R) (2014)

8. Influence of pairing correlations on the size of the nucleus in relativistic continuum Hartree-Bogoliubov theory

Y. Chen (陈颖), Peter Ring, and J. Meng (孟杰)
Physical Review C **89**, 014312 (2014)

9. Microscopic benchmark study of triaxiality in low-lying states of ^{76}Kr

J. M. Yao, K. Hagino, Z. P. Li, J. Meng, and P. Ring
Physical Review C **89**, 054306 (2014)

10. High-spin spectroscopy of ^{144}Tb : Systematic investigation of dipole bands in $N = 79$ isotones

Y. Y. Cheng, S. Q. Zhang, X. Q. Li, H. Hua, C. Xu, Z. H. Li, P. W. Zhao, J. Meng, J. J. Sun, Z. J. Bai, F. R. Xu, Y. L. Ye, D. X. Jiang, E. H. Wang, C. He, R. Han, X. G. Wu, G. S. Li, C. Y. He, Y. Zheng, C. B. Li, S. P. Hu, S. H. Yao, B. B. Yu, X. P. Cao, and J. L. Wang
Physical Review C **89**, 054309 (2014)

11. Asymptotic form of neutron Cooper pairs in weakly bound nuclei

Y. Zhang (张颖), M. Matsuo (松尾正之), J. Meng
Physical Review C **90**, 034313 (2014)

12. Collective Hamiltonian for wobbling modes

Q. B. Chen, S. Q. Zhang, P. W. Zhao, and J. Meng
Physical Review C **90**, 044306 (2014)

13. Searching for a 4α linear-chain structure in excited states of ^{16}O with covariant density functional theory

J. M. Yao, N. Itagaki, and J. Meng
Physical Review C **90**, 054307 (2014)

14. Relativistic description of nuclear matrix elements in neutrinoless double- β decay

L. S. Song, J. M. Yao, Peter Ring, and J. Meng
Physical Review C **90**, 054309 (2014)

15. Green's function method for single-particle resonant states in relativistic mean field theory

T. T. Sun (孙亭亭), S. Q. Zhang (张双全), Y. Zhang (张颖), J. N. Hu (胡金牛), and J. Meng (孟杰)
Physical Review C **90**, 054321 (2014)

16. Test of $h_1(1830)$ made of K^-K^0 with the $c \rightarrow s$ K^-K^0 decay

Xiu-Lei Ren, Li-Sheng Geng, E. Oset, and J. Meng (孟杰)
The European Physical Journal A **50**, 133 (2014)

17. Global dynamical correlation energies in covariant density functional theory: Cranking approximation

Qian-Shun Zhang, Zhong-Ming Niu, Zhi-Pan Li, Jiang-Ming Yao, and J. Meng
Frontiers of Physics **9**, 529 (2014)

18. Treating Coulomb exchange contributions in relativistic mean field calculations: why and how

Nguyen Van Giai, Haozhao Liang, Huai-Qiang Gu, Wenhui Long, and Jie Meng
Physica Scripta **89**, 054008(4pp) (2014)

19. Finite-amplitude method: an extension to the covariant density functionals

Haozhao Liang, Takashi Nakatsukasa, Zhongming Niu, and Jie Meng
Physica Scripta **89**, 054008(6pp) (2014)

20. Nuclear moments in covariant density functional theory

J. Meng, P. W. Zhao, S. Q. Zhang, J. N. Hu, and J. Li
Physica Scripta **89**, 054029 (4pp) (2014)

21. Systematics on the low-lying spectra in $N = 78\sim 80$ isotones

Y. Y. Cheng, S. Q. Zhang, X. Q. Li, H. Hua, C. Xu, Z. H. Li, P. W. Zhao, J. Meng, J. J. Sun, Z. J. Bai, F. R. Xu, Y. L. Ye, D. X. Jiang, E. H. Wang, C. He, R. Han, X. G. Wu, G. S. Li, C. Y. He, Y. Zheng, C. B. Li, S. P. Hu, S. H. Yao, B. B. Yu, X. P. Cao, and J. L. Wang
International Journal of Modern Physics E **23**, 1450037 (2014)

22. Studies of chirality in the mass 80, 100 and 190 regions

R. A. Bark, E. O. Lieder, R. M. Lieder, E. A. Lawrie, J. J. Lawrie, S. P. Bvumbi, N. Y. Kheswa, S. S. Ntshangase, T. E. Madiba, Q. B. Chen, S. Q. Zhang, Z. H. Zhang, P. W. Zhao, C. Xu, J. Meng, D. G. Roux, Z. P. Li, J. Peng, B. Qi, S. Y. Wang, and Z. G. Xiao
International Journal of Modern Physics E **23**, 1461001 (2014)

23. Chirality in atomic nuclei: 2013

J. Meng, Q. B. Chen, S. Q. Zhang
International Journal of Modern Physics E **23**, 14610016 (2014)

24. Lowest-lying octet baryon masses in covariant baryon chiral perturbation theory

Xiu-Lei Ren, Lisheng Geng, Jie Meng, Hiroshi Toki
International Journal of Modern Physics: Conference Series **26**, 1460068 (2014)

25. Lowest-lying octet baryon masses up to $\mathcal{O}(p^4)$ in covariant baryon chiral perturbation theory

Xiu-Lei Ren, Lisheng Geng, Jie Meng, Hiroshi Toki
International Journal of Modern Physics: Conference Series **29**, 1460215 (2014)

26. Nuclear charge-exchange excitations in localized covariant density functional theory

H. Z. Liang, J. Meng, T. Nakatsukasa, Z. M. Niu, P. Ring, X. Roca-Maza, N. Van Giai, and P. W. Zhao
EPJ Web of Conferences **66**, 02064 (2014)

27. Tilted axis cranking covariant density functional theory and its applications

P. W. Zhao, H. Z. Liang, J. Meng, J. Peng, P. Ring, L. F. Yu, and S. Q. Zhang
EPJ Web of Conferences **66**, 02114 (2014)