

## **1. Thermodynamics of Hydrophobic Amino Acids in Solution: A Combined Experimental–Computational Study**

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The Journal of Physical Chemistry Letters **8** (2017) 347-351

## **2. Observation of a novel stapler band in $^{75}\text{As}$**

C. G. Li, Q. B. Chen, S. Q. Zhang, C. Xu, H. Hua, X. Q. Li, X. G. Wu, S. P. Hu, J. Meng, F. R. Xu, W. Y. Liang, Z. H. Li, Y. L. Ye, D. X. Jiang, J. J. Sun, R. Han, C. Y. Niu, X. C. Chen, P. J. Li, C. G. Wang, H. Y. Wu, G. S. Li, C. Y. He, Y. Zheng, C. B. Li, Q. M. Chen, J. Zhong and W. K. Zhou

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## **3. Consistency between SU(3) and SU(2) covariant baryon chiral perturbation theory for the nucleon mass**

X-L. Ren, L. Alvarez-Ruso, L-S. Geng, T. Ledwig, J. Meng and M. J. Vicente Vacas

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## **4. Northern boundary of the “island of inversion” and triaxiality in $^{34}\text{Si}$**

R. Han, X. Q. Li, W. G. Jiang, Z. H. Li, H. Hua, S. Q. Zhang, C. X. Yuan, D. X. Jiang, Y. L. Ye, J. Li, Z. H. Li, F. R. Xu, Q. B. Chen, J. Meng, J. S. Wang, C. Xu, Y. L. Sun, C. G. Wang, H. Y. Wu, C. Y. Niu, C. G. Li, C. He, W. Jiang, P. J. Li, H. L. Zang, J. Feng, S. D. Chen, Q. Liu, X. C. Chen, H. S. Xu, Z. G. Hu, Y. Y. Yang, P. Ma, J. B. Ma, S. L. Jin, Z. Bai, M. R. Huang, Y. J. Zhou, W. H. Ma, Y. Li, X. H. Zhou, Y. H. Zhang, G. Q. Xiao and W. L. Zhan

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## **5. Influence of pairing correlations on the radius of neutron-rich nuclei**

Y. Zhang, Y. Chen, J. Meng and P. Ring

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**6. Nuclear matrix element of neutrinoless double- $\beta$  decay: Relativity and short-range correlations**

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**7. Solving Dirac equations on a 3D lattice with inverse Hamiltonian and spectral methods**

Z. X. Ren, S. Q. Zhang and J. Meng

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**8. Self-consistent relativistic quasiparticle random-phase approximation and its applications to charge-exchange excitations**

Z. M. Niu, Y. F. Niu, H. Z. Liang, W. H. Long and J. Meng

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**9. Fully self-consistent relativistic Brueckner-Hartree-Fock theory for finite nuclei**

S. H. Shen, H. Z. Liang, J. Meng, P. Ring and S. Q. Zhang

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**10. Nuclear matter properties with nucleon-nucleon forces up to fifth order in the chiral expansion**

J. N. Hu, Y. Zhang, E. Epelbaum, Ulf-G. Meißner and J. Meng

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**11. Chiral geometry in symmetry-restored states: Chiral doublet bands in  $^{128}\text{Cs}$**

F. Q. Chen, Q. B. Chen, Y. A. Luo, J. Meng and S. Q. Zhang

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**12. Yrast band of  $^{109}\text{Ag}$  described by tilted axis cranking covariant density functional theory with a separable pairing force**

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### **13. Effective field theory for triaxially deformed nuclei**

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### **14. $\beta$ -decay study of neutron-rich nucleus $^{34}\text{Al}$**

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### **15. Nuclear matrix elements for neutrinoless double-beta decay in covariant density functional theory**

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### **16. Collective Hamiltonian for chiral and wobbling modes: from one- to two dimensional**

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### **17. Pseudo spin doublet bands and Gallagher Moszkowski doublet bands in $^{100}\text{Y}$**

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Sixth International Conference on Fission and Properties of Neutron-Rich Nuclei (ICFN6), World Scientific Publishing (2017) 274-249

### **18. 原子核层次的手征对称性**

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原子核物理评论 Nuclear Physics Review **34** (2017) 310-317