

原子核单粒子共振态及奇特性质的研究

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共振是自然界普遍存在的有趣现象。在核物理领域，存在许多奇特现象，共振在其中扮演着重要角色。本报告介绍我们近期发展的复标度和复动量表象方法及其对原子核单粒子共振态和奇特性质的研究。

Summary

参考文献:

- 1、Cao, X. N., Liu, Q., & Guo, J. Y. (2019). Prediction of halo structure in nuclei heavier than Mg 37 with the complex momentum representation method. *Physical Review C*, 99(1), 014309.
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- 3、Cao, X. N., Liu, Q., & Guo, J. Y. (2018). Interpretation of halo in ^{19}C with complex momentum representation method. *Journal of Physics G: Nuclear and Particle Physics*, 45(8), 085105.
- 4、Shi, X. X., Liu, Q., Shi, M., & Ren, Z. Z. (2018). Resonances with triaxial deformation in the complex scaled Green's function method. *Chinese Physics C*, 42(11), 114105.
- 5、Tian, Y. J., Liu, Q. *, Heng, T. H., & Guo, J. Y. (2017). Research on the halo in ^{31}Ne with the complex momentum representation method. *Physical Review C*, 95(6), 064329.

Abstract Type

Talk

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