

Estimating Magic Numbers Larger Than 126 by Fermi -Yang Liming Method

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Abstract: The Fermi-Yang Liming method is followed and developed to estimate new magic numbers in nuclei with a Woods-Saxon density function. The calculated results predict that the magic number next to 126 should be around 184 and 258.

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Key words: new magic number, Fermi -Yang Liming method, local Thomas-Fermi approximation

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