**Description of the Wobbling Motion through a Boson Method**

Robert Poenaru1,2

*1Doctoral School of Physics, University of Bucharest, Romania*

*2Department of Theoretical Physics, IFIN-HH, Magurele, Romania*

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Wobbling motion, a clear signature of triaxiality in nuclei, is described through a new boson approach with the help of the Bargmann representation. Indeed, by making an expansion of the angular momentum components, one can reach a Schrödinger equation for the initial Hamiltonian that has a fully separated kinetic term. For a certain value of the total angular momentum, the potential energy shows three minima and two of them are degenerate. A chiral-like character is identified in the deepest points. Construction of the phase diagrams, which show the stability of the wobbling character is also made through a classical analysis. The theoretical model that is obtained is tested for the nucleus 135Pr, where a good agreement with experimental data is achieved for the energy spectrum.

**Keywords**: boson expansion, wobbling, triaxiality, phase diagrams

**References:**

[1] A A Raduta *et al* 2021 *J. Phys. G: Nucl. Part. Phys.* **48** 015106