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Title: Oscillation Phenomena in Nambu Quantum Mechanics

In canonical quantum mechanics (QM), energy eigenstates can be thought of as evolving in the phase space of a classical harmonic oscillator. Nambu quantum mechanics is a particular generalization of QM whereby such a phase space is extended to that of an asymmetric top, introducing two "deformation parameters". Canonical QM can then be interpreted as the limiting case where both of them vanish. We will discuss the motivation for and a few consequences of such a generalization, including the possibility of constraining the aforementioned parameters using experimental data from particle oscillation phenomena.