

PHYS/808424.v1 Review Report
Recommendation
Consider After Major Changes
Comments

This is an important contribution to quantum foundations; the presented analysis of coupling of Schrödinger's equation with classical statistical mechanics is interesting and it may have interpretation impact. However, the author completely ignored the original viewpoint of Schrödinger -- this is a wave type equation of new type. So, for him, the study was about waves and not particles at all. Even if the author does not share this viewpoint, he has to discuss it in very detail as well as post-Schrödinger attempts to interpret his equation as a classical way equation, see e.g. A. Khrennikov, A pre-quantum classical statistical model with infinite-dimensional phase space. *{\it J. Phys. A: Math. Gen.}*, **{\bf 38}**, 9051-9073 (2005). A. Khrennikov, Prequantum classical statistical field theory: Complex representation, Hamilton-Schrödinger equation, and interpretation of stationary states. *{\it Found. Phys. Lett.}*, **{\bf 19}**, N. 4, 299-319 (2006).