Semiclassical Dynamics: Tsallis Entropy and Comparison with Shannon

<u>Gaspar Gonzalez</u> ^(a), Andrés Kowalski ^(a, b)
^(a) Universidad Nacional de La Plata, Argentina
^(b) Comisión de Investigaciones Científicas (CIC)

We analyze semiclassical systems with Tsallis entropy. In this type of systems, classical and quantum variables interact. We study the classical limit in function of a motion invariant related to the uncertainty principle. We find interesting results in the convergence process. We compare with Shannon entropy.