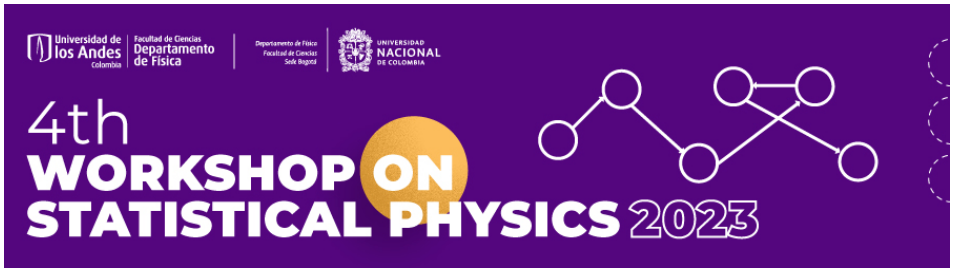


Contribution ID: **38** Tipo: **Invited talk**

# Work and heat in weakly measured quantum systems: The way you measure matters.

*viernes, 6 de octubre de 2023 14:40 (20 minutos)*

In quantum thermodynamics, fluctuation theorems provide a way for the quantification of irreversibility of single trajectories. In this work we propose a description of the dynamics of single trajectories based on an M-parametrization of unravellings of the master equation for a system coupled to its environment. We identify the measurable components of the entropy, and show ways to measure and control the system in such a way that the quantum components of the entropy can be corrected or minimized.

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