

Detecting entanglement and non-locality in many-body quantum systems

A. Acín¹

(1) ICFO-The Institute of Photonic Sciences (Spain).

Understanding and detecting relevant properties of many-body quantum systems represents an important challenge due to the huge number of parameters needed for their characterisation. The talk reviews new approaches to detect the presence of entanglement and Bell correlations in these systems that are scalable and experimentally friendly.