Entanglement & Quantum Correlations

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May 06, 2020
10:15 to 11:13
Online

ICFO+ Theory Lecture, May 6, 2020, 10:15. Online

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Entangled states and the correlations obtained when performing measurements on them are key elements for the construction of quantum information protocols. The lectures explain th main concepts and tools used to describe entanglement and quantum correlations. The firs two lectures focus on entanglement theory and follow a resource-theory approach. The thir and fourth lectures are devoted to Bell's theorem and the characterisation of correlations i classical, quantum physics, and possible generalisations of it.

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