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Indistinguishability, properties, and signed probabilities

One of the fundamental aspects of quantum particles is that they may be indistinguishable. This indistinguishability leads to some novel aspects of quantum statistical mechanics, when compared to classical statistical mechanics. Another fundamental aspect of quantum particles is that their properties are contextual. This contextuality can manifest even when experiments are space-like separated. In this talk I will discuss the relationship between indistinguishability, contextuality of properties, and signed probabilities.