

Quasiprobabilities from incomplete and overcomplete measurements

Jan Sperling

In this talk, we discuss the (re-)construction of quasiprobability representations from rather generic measurements, including noisy ones. A practical concern that we address is the treatment of informationally incomplete and overcomplete measurement scenarios, which can significantly alter the assessment of which states are deemed classical. Qubit systems are used to exemplify and to compare different measurement schemes, together with the resulting quasiprobabilities and set of nonclassical states.