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A review of generalized and unsharp measurements

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Abstract content
 (Max 300 words)

Unlike in the classical world, the act of quantum measurement has an effect on the state of the system that is being measured. This impact depends on the type of quantum measurement that was carried out. The usual notion of projective measurements can be generalized and used to reformulate the measurement postulate. Due to the growing interest in quantum information processing, it is useful to have a toolkit of generalized and unsharp measurements that can be utilized for realistic experiments, which will be presented here.

Apply to be
 considered for a student
 award (Yes / No)?

Yes

Level for award
 (Hons, MSc,
 PhD)?

PhD

Main supervisor (name and email)
and his / her institution

Thomas Konrad konradt@ukzn.ac.za
University of KwaZulu-Natal

Would you like to
 submit a short paper
 for the Conference
 Pro-ceedings (Yes / No)?

Yes

Primary author: Ms BASSA, Humairah (University of KwaZulu-Natal and NLC, CSIR)

Co-author: Prof. KONRAD, Thomas (University of KwaZulu-Natal)

Presenter: Ms BASSA, Humairah (University of KwaZulu-Natal and NLC, CSIR)

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