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## A review of generalized and unsharp measurements

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### Abstract content <br> &nbsp; (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<br> considered for a student <br> &nbsp; award (Yes / No)?

Yes

### Level for award<br>&nbsp;(Hons, MSc, <br> &nbsp; PhD)?

PhD

### Main supervisor (name and email)<br>and his / her institution

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

Yes

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