

# SAIP2013



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## **A review of generalized and unsharp measurements**

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### **Abstract :**

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.

### **Award :**

Yes

### **Level :**

PhD

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### **Paper :**

Yes

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