

Quantum Sensors

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In this talk I will present work based on Stern-Gerlach interferometry [1-5]. I will introduce two cold-atom sensors, based on clock interferometry [6], and point-source interferometry [7]. I will also briefly present levitated particles [8,9], which may form a new generation of sensors. Time permitting, I will be happy to also address more technical questions. For example, interesting issues concerning decoherence arise [10,11].

References

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