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Quantum measurement and control with massive mechanical oscillators

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Measurement and control of massive mechanical oscillators in the quantum regime is now possible [Nature 556, 478 (2018); Science 372, 625 (2021)]. I will describe this work and the possibilities it enables for sensing with non-classical mechanical systems moving forwards.

Author: WOOLLEY, Matt (UNSW Canberra)

Presenter: WOOLLEY, Matt (UNSW Canberra)

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