Quantum metrology:
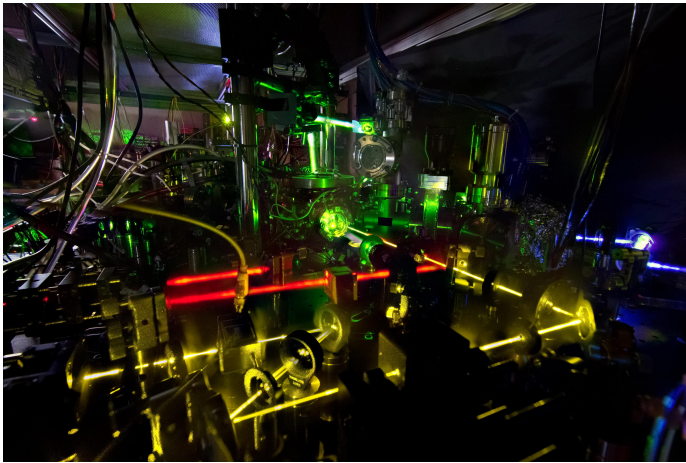
Using quantum* properties to create more sensitive measurement protocols.

* quantum ≡ discrete energy levels

Example :

Time measurement

Atomic clock

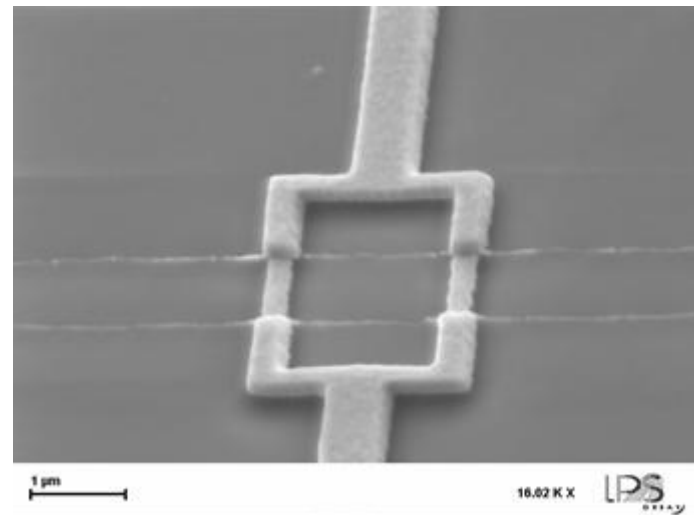## Gravitational wave detection

LIGO

Medical imaging

MRI

Magnetometry

SQUIDs