

Session Program

23-25 Sept 2026



Optomechanical Sensing for Subatomic and Astroparticle Physics

Quantum Optomechanics & Particle Sensors

Friday 25 September

09:00

Quantum Optomechanics & Particle Sensors

Session | **Location:** Donald Gordon Hotel and Conference Centre 421 Union St., Kingston, Ontario, Canada | **Convener:** Daniel Carney

09:00–09:40

Quantum Invisible Particle Sensor (QulPS): recoil reconstruction of nuclear decays in a trapped nanosphere for sterile-neutrino searches

Speaker
Daniel Kodroff

09:40–10:20

Thermal-limited motion and optomechanical control of a levitated superfluid drop

Speaker
Jack Harris

10:20