Session Program

July 31, 2023 to August 3, 2023

Quantum sensing and fundamental physics with levitated mechanical systems

Session 3

ECT*, Aula Renzo Leonardi
Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

Tue, August 1

9:00 AM

Session 3: Chair DaLi Schaefer

Session | **Location:** ECT*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

9:00 – 9:40 AM **An ultra-high-Q mechanical oscillator in an ion trap**

Speaker
Tracy Northup

Location
ECT*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

9:40 – 10:20 AM **Chip-based magnetic levitation of superconducting microparticles**

Speaker
Gerard Higgins

Location
ECT*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

10:20 – 11:00 AM **Magnetometry with levitated micromagnets**

Speaker
Felix Klaus Ahrens

Location
ECT*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

11:00 – 11:30 AM **Coffee break**

11:30 AM