QuantAlps presents Collège de France 2025 off-site courses

Jean Dalibard Collège de France Ultracold Quantum Matter _

Friday 10 January 2025 - Bergès Amphitheater Lecture: Superfluidity and quantum coherence: two sides of the same coin, really?

Seminar: Superconductivity and phase coherence in amorphous superconductors, by Nicolas Roch

Friday 17 January 2025 - Ampère Amphitheater Lecture: Solitons in quantum fluids, a

surprisingly rich world

Seminar: Direct visualisation of the quantum vortex lattice structure, oscillations, and destablilisation in rotating 4He, by Mathieu Gibert



Friday 24 January 2025 - 2A003 Amphitheater Lecture: Scale invariance, a hidden symmetry explored with ultracold gases Seminar: Edge mode spectroscopy in atomic fractional quantum Hall dro

Seminar: Edge mode spectroscopy in atomic fractional quantum Hall droplets -An example of conformal invariance, by Cécile Repellin

Time of Lectures 9:30 AM - 11 AM

Place: GreEn-ER Building, 21 avenue des Martyrs

Each lecture will be followed by an hour long seminar from our colleagues in Grenoble. Coffee and croissants will be offered between the lectures and the seminars.

