

# Workshop: concentration inequalities for quantum measurements and non commutative functional inequalities

## Timetable

### Wednesday May 10, 2023 (room Pellos - 1R2-207)

9:45 – 10:45: **Juan P. Garrahan** - *Statistics of trajectories and bounds on fluctuations*

11:15 – 12:15: **Federico Girotti** - *Concentration Inequalities for Output Statistics of Quantum Markov Processes*

12:30 – 14:00: *Lunch at l'Esplanade*

14:00 – 15:00: **Madalin Guta** – *Displaced-null measurements for optimal estimation of pure states and quantum Markov chains*

15:30 – 16:30: **Linda Greggio** - *Asymptotic statistics of repeated quantum measurements*

19:30 - ....: *Diner at [Du plaisir à la toque](#)*

### Thursday May 11, 2023 (room Cavailles – 1R2-132)

9:45 – 10:45: **Cambyse Rouzé** - *Efficient learning of thermal phases of matter*

11:15 – 12:15: **Melchior Wirth** - *Logarithmic Sobolev inequalities - beyond matrix algebras and tracial symmetry*

12:30 – 14:00: *Lunch at l'Esplanade*

14:00 – 15:00: **Daniel Stilck-Franca** - *Concentration properties of shallow and noisy quantum circuits (Maths-Phys seminar).*