

PRIN 2022: QUANTAMI WORKSHOP on Quantum fluctuations and beyond mean-field methods

3 July 2025, 10:00 – 16:00

Dipartimento SMFI, plesso Fisica, Parma University

Schedule

10:00~10:45 **Thomas Dittrich (Universidad Nacional de Colombia, Bogotá):** Quantum randomness in spin measurement

10:45~11:00 **Coffee break**

11:00~11:30 **Ivan Saychenko (Parma University):** The Truncated Wigner Method applied to quantum gases

11:30~12:00 **Oscar Rodriguez Villalba (Parma University):** Vortex evolution in 2D confined quantum gases

12:00~12:45 **Luca Salasnich (Padova University):** Bosonic and fermionic atomic gases confined on the surface of a sphere

13:00~14:30 **Lunch**

14:30~15:00 **Alessia Burchianti (CNR-INO):** Capillary instability in a Bose-Bose mixture

15:00~15:30 **Chiara Fort (CNR-INO):** Role of confinement in the Rayleigh-plateau instability of a Bose-Bose liquid-like filament

15:30~16:00 Discussions and Conclusion

Local organizer: [Sandro Wimberger](#)

All are welcome to attend, especially students and postdocs. We meet in **Aula Maxwell**.