

# DIM QuanTiP Annual Meeting 2024

May 29, 2024

Amphi 1 de l'IUT, Université Sorbonne Paris Nord  
99 avenue Jean-Baptiste Clément, 93430 Villetaneuse

08:30 09:00 *Welcome coffee and installation of posters (room M100, Forum)*

09:00 09:25 *QuanTiP: Opening & introduction (H. Perrin/S. Čuk/...)*

## AXIS: Animation

09:30 09:40 Presentation and review of the axis (J. Lodewyck)

## AXIS: Quantum computing

09:40 09:50 Presentation and review of the axis (P. Bertet)

09:50 10:15 *Clément Sayrin, LKB: Interacting laser-trapped circular Rydberg atoms*

10:15 10:45 *Coffee break (M100)*

## AXIS: Enabling sciences and technologies

10:45 10:55 Presentation and review of the axis (D. Marković/A. Tallaire)

10:55 11:20 *Claudia Lazzaroni, LSPM: TBA*

## AXIS: Quantum sensors and metrology

11:20 11:30 Presentation and review of the axis (F. Pereira)

11:30 11:55 *Adrien Borne, MPQ: Optical control of an ultra-cold quantum mechanical resonator*

11:55 14:00 *Lunch & Poster session (M100, Forum)*

## AXIS: Scientific valorisation

14:00 14:10 Presentation and review of the axis (M. Delbecq)

14:10 14:35 *Valentina Parigi, LKB: TBA*

## AXIS: Quantum communications

14:35 14:45 Presentation and review of the axis (A. Grilo)

14:45 15:10 *Thomas Van Himbeek, Télécom Paris: Tight and general security proofs for quantum key distribution*

## AXIS: Quantum simulations

15:10 15:20 Presentation and review of the axis (L. Sanchez Palencia)

15:20 15:45 *Jean-Noël Fuchs, LPTMC: Does the Su-Schrieffer-Heeger model describe a topological insulator?*

15:45 17:00 *Coffee break / Board game session / Poster session (M100, Forum)*  
*Scientific committee discussion in parallel*

17:00 17:15 *Poster prize announcement*  
*Feedback of the Scientific committee*