

DIM QUANTIP ANNUAL MEETING

May 12, 2026

Amphi B, Institut Galilée, Université Sorbonne Paris Nord, 99 avenue Jean-Baptiste Clément, 93430 Villetaneuse

PROGRAM

8:30 - 9:00 Welcome coffee

9:00 - 9:10 Opening

Hélène Perrin (LPL), Bruno Manil (IG) and Khaled Hassouni (USPN)

9:10 - 9:25 Word from the Paris region

Geoffrey Carvalhinho (Région Île-de-France)

9:25 - 9:45 QuanTiP : Annual review

Hélène Perrin (LPL) and Senka Ćuk (QuanTiP)

AXIS: Animation and outreach

9:45 - 10:05 Presentation and review of the axis

Jérôme Lodewyck (LTE) and Zoé Vessière (QuanTiP)

AXIS: Quantum simulation

10:05 - 10:15 Presentation and review of the axis

Jérôme Beugnon (LKB)

10:15 - 10:40 Direct Observation of the 3D Anderson Transition with ultracold atoms in disordered potentials

Vincent Josse (LCF)

10:40 - 11:15 Coffee break

AXIS: Quantum computing

11:15 - 11:25 Presentation and review of the axis

Jean-Damien Pillet (LPMC)

11:25 - 11:50 Quantum computing with bosons

Ulysse Chabaud (INRIA, ENS)

AXIS: Quantum communications

11:50 - 12:00 Presentation and review of the axis

Nadia Belabas (C2N) and Alex Bredariol Grilo (LIP6)

12:00 - 12:25 Cavity enhanced absorption spectroscopy of individual organic color centers grafted on carbon nanotubes

Christophe Voisin (LPENS)

12:25 - 14:00 Lunch and poster session

Europe and International

14:00 - 14:15 Building up a European quantum strategy

Eleni Diamanti (LIP6)

AXIS: Quantum sensors and metrology

14:15 - 14:25 Presentation and review of the axis

Franck Pereira dos Santos (LTE)

14:25 - 14:50 Imaging Light-matter Interaction in Resonant Nanostructures with Single Molecules

Valentina Krachmalnicoff (IL)

AXIS: Enabling sciences and technologies

14:50 - 15:00 Presentation and review of the axis

Alexandre Tallaire (IRCP)

15:00 - 15:25 Probing the quantum motion of a MHz mechanical resonator with a resonant rf-fluxonium

Samuel Deléglise (LKB)

15:25 - 15:55 Coffee break

AXIS: Scientific and economic impact

15:55 - 16:05 Presentation and review of the axis

Matthieu Delbecq (LPENS)

16:05 - 16:30 NELLOW: Ultralow power computing with quantum materials

Manuel Bibes (LAF)

16:30 - 17:05 Board game session and poster session

17:05 - 17:10 A word from QuanTiP scientific committee and poster prize announcement

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