

DIM QUANTIP ANNUAL MEETING

May 27th 2025

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

PROGRAM

8H30 - 9H00 Welcome coffee and installation of posters

9H00 - 9H10 Opening and Introduction

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

9H10 - 9H25 Word from the Paris region

Nelly Garnier (Région Île-de-France)

9H25 - 9H45 QuanTiP : Annual review

Hélène Perrin (LPL) and Senka Ćuk (QuanTiP)

AXIS : Animation and outreach

9H45 - 10H05 Presentation and review of the axis

Jérôme Lodewyck (LTE) and Zoé Vessière (QuanTiP)

AXIS : Quantum computing

10H05 - 10H15 Presentation and review of the axis

Alain Sarlette

10H15 - 10H40 Novel resources states for quantum computing using single emitters in nanostructures

Hanna Le Jeannic (LKB)

10H40 - 11H15 Coffee break

AXIS : Quantum simulations

11H15 - 11H25 Presentation and review of the axis

Jérôme Beugnon

11H25 - 11H50 Late-time dynamics of quantum many-body setups: from theory to experiments.

Leonardo Mazza (LPTMS)

AXIS : Quantum communications

11H50 - 12H00 Presentation and review of the axis

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

12H00 - 12H25 Nonlinear waveguide arrays for quantum information

Florent Baboux (MPQ)

12H25 - 14H00 Lunch and poster session

Europe and International

14H00 - 14H15 Quantum Flagship

Thierry Debuisschert (QCB)

Maison du quantique Île-de-France

14H15 - 14H30 QUORUM

Réda Nouacer (CEA)

AXIS : Quantum sensors and metrology

14H30 - 14H40 Presentation and review of the axis

Frank Pereira dos Santos (LTE)

14H40 - 15H05 Quantum Near-Field Sensing and Imaging with Atomic Vapors

Athanasios Laliotis (LPL)

AXIS : Enabling sciences and technologies

15H05 - 15H15 Presentation and review of the axis

Danijela Marković (LAF)

15H15 - 15H40 Quantum anomalous Hall effect in 2D

materials for quantum metrology

Rebeca Ribeiro-Palau (C2N)

15H40 - 16H05 Coffee break

AXIS : Scientific and economic impact

16H05 - 16H15 Presentation and review of the axis

Matthieu Delbecq (LPENS)

16H15 - 16H40 Single microwave photon detector for quantum detection

Emmanuel Flurin (CEA)

16H40 - 17H25 Board game session and poster session

17H25 - 17H30 A word from QuanTiP scientific committee

and poster prize announcement

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