

MC10: Quantum Fluids of Light

Organisateurs : M Jacquet, S Ravets, J Bloch et A Bramati

Lundi 22 août - 15h00- 18h30

15:00 - 15:30	BKT and KPZ physics in nonequilibrium condensates of light
INVITÉ	M. Wouter <i>TQC, Universiteit Antwerpen. michiel.wouters@uantwerpen.be</i>
MC10-1	
15:30 - 15:45	Spontaneous emission of Bogoliubov excitation by a resonantly driven exciton-polariton fluid
MC10-2	M. Richard¹ , I. Frérot ¹ , A. Vashisht ² , A. Lemaître ³ , J. Bloch ³ , S. Ravets ³ , A. Minguzzi ² <i>¹ Institut Néel, Grenoble; ² LPMMC, Grenoble; ³ C2N, Palaiseau. maxime.richard@neel.cnrs.fr</i>
15:45 - 16:00	Weyl points and exceptional rings in apolaritonic topological multi-terminal Josephson junction
MC10-3	I. Septembre, G. Malpuech, D. D. Solnyshkov <i>Institut Pascal, Clermont-Ferrand. dmitry.solnyshkov@uca.fr</i>
16:00 - 16:15	Progress towards ultrafast imaging of turbulence in a polariton fluid
MC10-4	C. Ouarkoub¹ , C. Hainaut ¹ , M. Le Parquier ¹ , O. Jamadi ¹ , L. Le Gratiet ² , M. Morassi ² , I. Sagnes ² , A. Lemaître ² , S. Ravets ² , J. Bloch ² , P. Suret ¹ , A. Amo ¹ <i>¹ PhLAM, Lille; ² C2N, Palaiseau. cecilia.ouarkoub@univ-lille.fr</i>
16:15 - 16:30	Hawking effect in a polaritonic acoustic black hole
MC10-5	K. Falque <i>Laboratoire Kastler Brossel, Paris. kevin.falque@lkb.upmc.fr</i>
16h30-17h00 Coffee break	

17:00 - Quantum fluids of light - Experiments in propagating geometries

**17:30
INVITÉ**

C. Michel
INPHYNI, Nice. claire.michel@univ-cotedazur.fr

MC10-6

**17:30 - Critical velocity for superfluidity in reduced dimensions: from
17:45 matter to light quantum fluids**

MC10-7

J. Huynh, M Albert, P.-E. Larré
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**17:45 - Non-equilibrium pre-thermal states in a two-dimensional photon
18:00 fluid**

MC10-8

T. Bienaimé^{1,2}, M. Abuzarli¹, N. Cherroret¹, Q. Glorieux¹
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**18:00 - Superradiant quantum phase transition for Landau polaritons
18:15 with Rashba and Zeeman couplings**

MC10-9

G. Manzanares, T. Champel, D. Basko, P. Nataf
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Posters

MC10-10 Transitions in supported density in a bistable quantum fluid

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