



ANNUAL CONFERENCE 2022

March 24th to 25th, 2022

Agenda (presentation 30 min + questions 10 min)

To join the meeting online : [zoom link](#) (ID : 876 5682 7026)

Thursday 24/03		Friday 25/03	
09:00 09:15	Arriving time		
09:15 09:45	Introduction by the President of the CREF + Coordination presentation	09:00 09:45	José Tito da Luz Mendonça IST-IPFN
09:45 10:30	Iacopo Carusotto INO-CNR, Consiglio Nazionale Delle Ricerche	09:45 10:30	Bruno Marcos CNRS
10:30 11:00	Break	10:30 11:00	Break
11:00 11:45	Cristiano Ciuti UP-MPQ	11:00 11:40	<i>Round table 2 (40 min)</i>
11:45 12:30	Nicolas Pernet CNRS-C2N	11:40 12:25	Tangui Aladjidi & Kevin Falque Sorbonne Université - LKB
12:30 14:00	Lunch at CREF	12:30 14:00	Lunch at CREF
14:00 14:40	<i>Round table 1 (40 min)</i>	14:00 14:45	Martin Weitz UniBonn
14:40 15:25	Clément Hainaut CNRS-PhLAM	14:45 15:30	Robert Nyman Imperial > Online
15:25 16:10	Robin Kaiser CNRS-INPHYNI	15:30 15:45	<i>Closure</i>
16:10 16:40	Break		
16:40 17:25	Marcello Calvanese Strinati Sapienza		
17:30 18:00	<i>Visit Museum</i>		
19:00	Dinner at CREF		





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Day 1
Thursday, March 24th

- 09:15 - 09:45 **Introduction by the President of the CREF**
Coordination presentation
- 09:45 - 10:30 "New optical platforms for quantum simulation: optical fiber loops, ultra-strongly coupled nanoballs, novel polariton fluids, etc."
By Iacopo Carusotto, CNR National Institute of Optics, University of Trento
- 10:30 - 11:00 **Break**
- 11:00 - 11:45 **Title to come**
By Cristiano Ciuti, MPQ, Université de Paris
- 11:45 - 12:30 "Helical drive induces chirality in a nonlinear medium"
By Nicolas Pernet, CNRS-C2N
- 12:30 - 14:00 **Lunch at CREF**
- 14:00 - 14:40 **ROUND TABLE #1** Tangui Aladjidi, Nicolas Pernet, Cecilia Ouarkoub, and Quentin Fontaine - chaired by Maxime Jacquet
- 14:40 - 15:25 "Progress towards single shot measurement of turbulence in polariton superfluids"
By Clément Hainaut, CNRS-PhLAM
- 15:25 - 16:10 "Study of turbulence in quantum fluids of light in hot vapors, cold atoms and nonlinear crystals"
By Robin Kaiser, CNRS-Inphyni
- 16:10 - 16:40 **Break**
- 16:40 - 17:25 "All-optical scalable spatial coherent Ising machine"
By Marcello Calvanese Strinati, SAPIENZA
- 17:30 - 18:00 **Visit of the Museum**
- From 19:00 **Dinner at CREF**

Day 2
Friday, March 25th

- 09:00 - 09:45 "Zeldovich condensation and other phase transitions"
By José Tito da Luz Mendonça, Instituto de Plasmas e Fusão Nuclear, IST
- 09:45 - 10:30 "Observation of the formation of a quasi-stationary state via mixing and violent relaxation in an analogue self-gravitating system"
By Bruno Marcos, CNRS
- 10:30 - 11:00 **Break**
- 11:00 - 11:40 **ROUND TABLE #2** Claudio Conti, Quentin Glorieux, Martin Weitz and Matthieu Bellec - chaired by Jacqueline Bloch
- 11:40 - 12:25 "Updates from the Rb and polariton labs"
By Tangui Aladjidi & Kevin Falque, Kastler Brossel Laboratory, SU
- 12:30 - 14:00 **Lunch at CREF**
- 14:00 - 14:45 "Photon Bose-Einstein condensates in microstructured potentials, and a measurement of the compressibility of an optical quantum gas"
By Martin Weitz, Rheinische Friedrich-Wilhelms-Universität Bonn
- 14:45 - 15:30 "Photon condensation in an open microcavities: Imperial College progress"
By Robert Nyman, Imperial College London
- 15:30 - 15:45 **Closure**





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Venue

Enrico Fermi Center for Study and Research
Palazzo del Viminale,
Piazza del Viminale, 1,
00184 Rome RM

[Google maps](#)

- Access will be carried out by presenting yourself at the desk and delivering an identity document
- An individual badge will be issued for each participant, and participants will be welcomed by staff of the Fermi Centre
- For each participant it is necessary to have the essential data: name, surname, date and place of birth, type and number of the identity document



Booking

Hotels

- Hotel Napoleon - [link](#)
- Residenza Monti - [link](#)
- Hotel Anfiteatro Flavio - [link](#)
- Hotel Grifo - [link](#)

