The Oxford Handbook
Département de physique Université Paris Cité
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Present

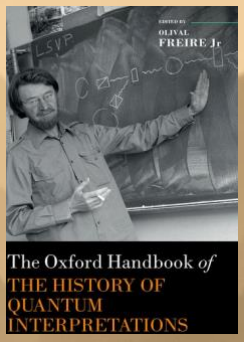
Two days of history and epistemology of the foundations of Quantum Mechanics

April 14 et 15, 2023

Amphithéâtre Pierre-Gilles de Gennes, Université Paris Diderot

On the occasion of the publication of

The Oxford Handbook of the History of Quantum Interpretations



Organizing Committee :

Jean-Jacques Szczeciniarz, Olival Freire, Joseph Kouneiher et Michel Paty

Nearly a century after its formulation and despite its unprecedented predictive successes in accounting for physical processes, quantum mechanics is still at the center of a lively debate. In the same spirit as The Oxford handbook of the history of Quantum Interpretations, the two days offer a historical overview of the contrasts that have been at the heart of quantum physics over the past 100 years. Drawing on the extensive expertise of several lecturers working in the fields of physics, history and philosophy. Thus, the objective of these two days is to fuel the ongoing debate on the foundations of quantum mechanics by dealing with the major open questions concerning the interpretations of Quantum Mechanics.

Speakers

Alain Aspect, Roger Penrose Franck Laloë, Wayne Myrvold, Marc Lachièze-Rey, Helge Kragh, Christoph Lehner, Christian Joas, Guido Bacciagaluppi, Massimiliano Badino, Daniela Monaldi, Osvaldo Pessoa Jr., Michel Paty, David Kaiser, Bernadette Lessel, Alexei Grinbaum, Thomas Ryckman, Anja Jacobsen, Flavio Del Santo, Jean-Philippe Martinez, Sebastian Murgueitio Ramírez, Stefano Osnaghi, Olival Freire Jr, Kristian Camilleri, Giora Hon, Jeffrey Barrett, Hervé Zwirn, Jean- Jacques Szczeciniarz, Joseph Kouneiher, Valia Allori, Otávio Bueno, Dennis Dieks, Jean Bricmont, Alexander Pechenkin

Registration: https://www.archimedes-eca.org/colloque-quantum-interpretation

Contacts: jean-jacques.szczeciniarz@univ-paris-diderot.fr, joseph.kouneiher@univ-cotedazur.fr, freirejr@ufba.br

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