

WE-Heraeus Symposium

# Revisiting the History of Quantum Physics

05 Nov - 07 Nov 2025

at the  
WissenschaftsForum Berlin

**Organizing committee:** Alexander Blum, Jochen Büttner,  
Michel Janssen, Núria Muñoz and Jürgen Renn.

**WILHELM UND ELSE  
HERAEUS-STIFTUNG**



# Program

Tuesday, 4 November 2025

15:00 - 17:00      Registration and Tech-check

18:00 - 20:00      Informal Dinner

Wednesday, 5 November 2025

09:00 - 10:00      Registration

10:00 - 12:30      Session 1: Classical  
physics and the  
scaffold of quantum  
theory

*Coordinator: Michel Janssen*

Talks:

Bretislav Friedrich

Douglas Stone

Simon Saunders

Panel:

Massimiliano Badino

Dieter Hoffmann

Ricardo Karam

Daniela Monaldi

Jos Uffink

12:30 - 13:00      Session summary

13:00 - 14:00      Lunch break

# Program

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| 14:00 - 16:00 | Session 2: From the scaffold to the arch of quantum physics                                        | <i>Coordinator: Michel Janssen</i><br><br><u>Talks:</u><br>Domenico Giulini<br>Alex Blum<br><br><u>Panel:</u><br>Guido Bacciagaluppi<br>Arianna Borrelli<br>Christian Joas<br>Christoph Lehner<br>Oliver Passon<br>Robert Rynasiewicz<br>Tilman Sauer |
| 16:00 -16:30  | Coffee break                                                                                       |                                                                                                                                                                                                                                                       |
| 16:30 -18:30  | Session 3: Social and cultural, institutional and technological contexts of the quantum revolution | <i>Coordinator: Ana Simões</i><br><br><u>Talks:</u><br>Arne Schirrmacher<br>Danian Hu<br><br><u>Panel:</u><br>Christian Joas<br>Roberto Lalli<br>Kostas Gavroglu<br>Joe Martin<br>Olival Freire Jr.                                                   |

# Program

Thursday, 6 November 2025

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| 09:30 - 12:30 | Session 4: Quantum field theory and the search for a final theory              | <i>Coordinator: Alexander Blum</i><br><br><u>Talks:</u><br>Thiago Hartz<br>Bernadette Lessel<br>Claus Kiefer<br><br><u>Panel:</u><br>James Fraser<br>Jinyan Liu<br>Jan Plefka<br>Don Salisbury<br>Jürgen Jost<br>Stefano Furlan                    |
| 12:30 - 13:30 | Lunch break                                                                    |                                                                                                                                                                                                                                                    |
| 13:30 - 15:30 | Session 5: Condensed Matter Physics and postwar applications of quantum theory | <i>Coordinator: Nuria Muñoz</i><br><br><u>Talks:</u><br>Joe Martin<br>Andy Zangwill<br><br><u>Panel:</u><br>Maria Paula Diogo<br>Rocco Gaudenzi<br>Kostas Gavroglu<br>Klaus von Klitzing<br>Jean-Philippe Martinez<br>Uli Schollwöck<br>Ana Simões |
| 15:30 - 16:00 | Coffe break                                                                    |                                                                                                                                                                                                                                                    |

# Program

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| 16:00 - 17:30  | Session 6: Women in the History of Quantum Physics                            | <i>Coordinator: Margriet van der Heijden</i><br><br><u>Talks:</u><br>Daniela Monaldi<br>Ana Simões & Maria Paula Diogo<br><br><u>Panel:</u><br>Stefano Furlan<br>Dieter Hoffmann<br>Jinyan Liu<br>Arne Schirrmacher |
| 17:30 - 18:30  | Dinner                                                                        |                                                                                                                                                                                                                     |
| 18:30 - 20 :00 | Public lecture by Michel Janssen: Building the Cathedral of Quantum Mechanics |                                                                                                                                                                                                                     |

# Program

Friday, 7 November 2025

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| 09:00 - 11:00 | Session 7: Second Quantum Revolution      | <i>Coordinator: Jürgen Renn</i><br><u>Talks:</u><br>Kristian Camilleri<br>Olival Freire<br><br><u>Panel:</u><br>Guido Bacciagaluppi<br>Hanoach Gutfreund<br>Guy Hetzroni<br>Christoph Lehner<br>Noah Stemeroff |
| 11:00 - 11:30 | Coffee break                              |                                                                                                                                                                                                                |
| 11:30 - 13:30 | Session 8: Interpreting Quantum Mechanics | <i>Coordinator: Guido Bacciagaluppi</i><br><u>Talks:</u><br>Mike Cuffaro<br>Christoph Lehner<br><br><u>Panel:</u><br>Markus Aspelmeyer<br>Kristian Camilleri<br>Jürg Fröhlich<br>Simon Saunders<br>Jos Uffink  |
| 13:30 - 14:30 | Light lunch                               |                                                                                                                                                                                                                |
| 14:30 - 16:30 | Session 9: Outlook and publication        |                                                                                                                                                                                                                |