

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

14:00 - 16:00	Session 2: From the scaffold to the arch of quantum physics	<i>Coordinator: Michel Janssen</i> <u>Talks:</u> Domenico Giulini Alex Blum <u>Panel:</u> Guido Bacciagaluppi Arianna Borrelli Christian Joas Christoph Lehner Oliver Passon Robert Rynasiewicz 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> <u>Talks:</u> Arne Schirrmacher Danian Hu <u>Panel:</u> Christian Joas Roberto Lalli Kostas Gavroglu Joe Martin Olival Freire Jr.
18:30 – 19:00	Quantum History Wall – Feedback and Discussion Meeting (Coordinator: Arne Schirrmacher)	

Program

Thursday, 6 November 2025

09:30 - 12:30

Session 4: Quantum field theory and the search for a final theory

Coordinator: Alexander Blum

Talks:

Thiago Hartz

Bernadette Lessel

Claus Kiefer

Panel:

James Fraser

Jinyan Liu

Jan Plefka

Don Salisbury

Jürgen Jost

Stefano Furlan

12:30 - 13:30

Lunch break

13:30 - 15:30

Session 5: Condensed Matter Physics and postwar applications of quantum theory

Coordinator: Nuria Muñoz

Talks:

Joe Martin

Andy Zangwill

Panel:

Maria Paula Diogo

Rocco Gaudenzi

Kostas Gavroglu

Klaus von Klitzing

Jean-Philippe Martinez

Uli Schollwöck

Ana Simões

15:30 - 16:00

Coffe break

Program

16:00 - 17:30	Session 6: Women in the History of Quantum Physics	<i>Coordinator: Margriet van der Heijden</i> <u>Talks:</u> Daniela Monaldi Ana Simões & Maria Paula Diogo <u>Panel:</u> Stefano Furlan Dieter Hoffmann Jinyan Liu Arne Schirrmacher
17:30 - 18:15	Session Summary	
18:15 - 19:15	Dinner	
19:15 - 20:45	Public Lecture	

Program

Friday, 7 November 2025

09:00 - 11:00

**Session 7: Second
Quantum Revolution**

Coordinator: Jürgen Renn

Talks:

Kristian Camilleri
Olival Freire

Panel:

Guido Bacciagaluppi
Hanoah Gutfreund
Guy Hetzroni
Christoph Lehner
Noah Stemmeroff

11:00 - 11:30

Coffee break

11:30 - 13:30

**Session 8: Interpreting
Quantum Mechanics**

Coordinator: Guido Bacciagaluppi

Talks:

Mike Cuffaro
Christoph Lehner

Panel:

Markus Aspelmeyer
Kristian Camilleri
Jürg Fröhlich
Simon Saunders
Jos Uffink

13:30 - 14:30

Light lunch

14:30 - 16:30

**Session 9: Outlook and
publication**