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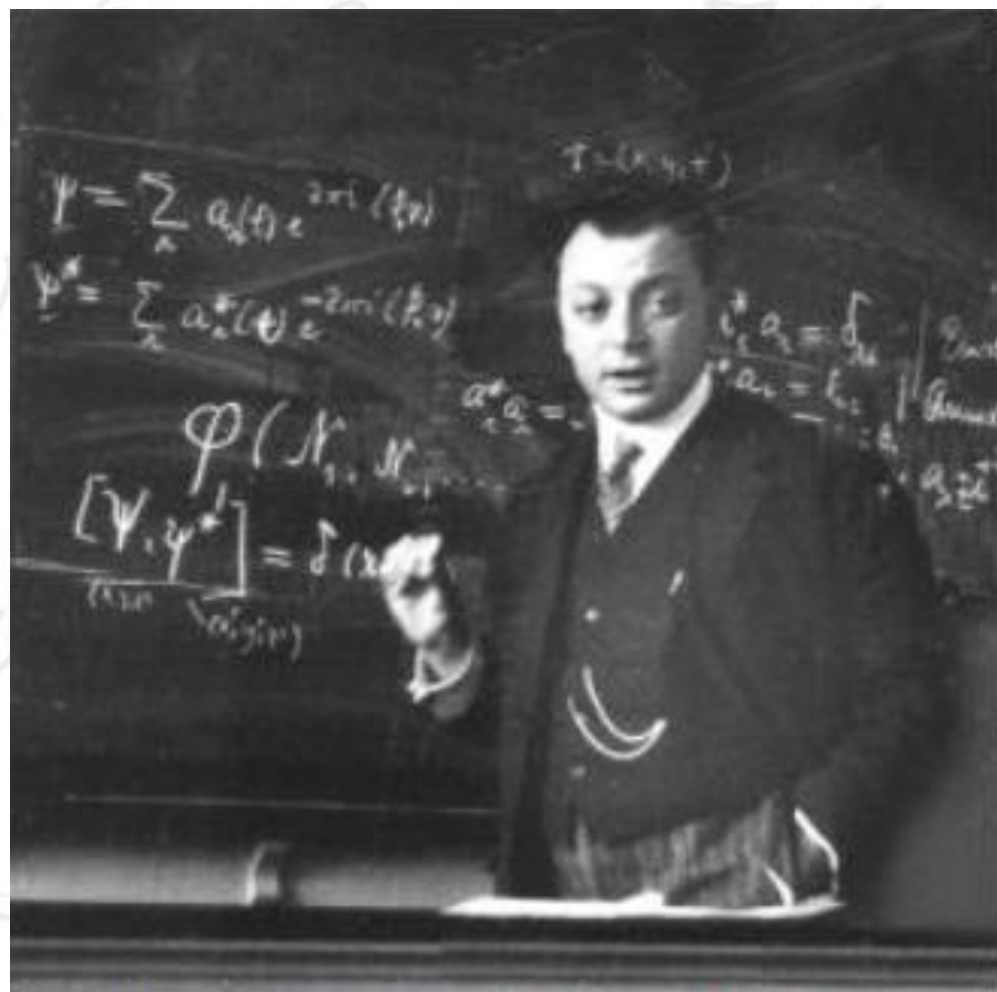
Interdisciplinary centre
for theoretical physics

WPC Colloquium

14 January 2025

Agathe-Lasch Lecture Hall

University of Hamburg
Edmund-Siemers-Allee 1, 20146 Hamburg



Invitation to Black Hole Thermodynamics

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Abstract: Since the work of Bekenstein and Hawking over half a century ago, it has been understood that although classically a black hole is a featureless object that satisfies a "no hair theorem", quantum mechanically a black hole behaves as a complex many-body system that obeys the laws of thermodynamics and statistical mechanics. I will provide an introduction to some of the old and new ideas in this subject, in which much is understood and much is not understood.

The Symposium is supported by the Cluster of Excellence Quantum Universe

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