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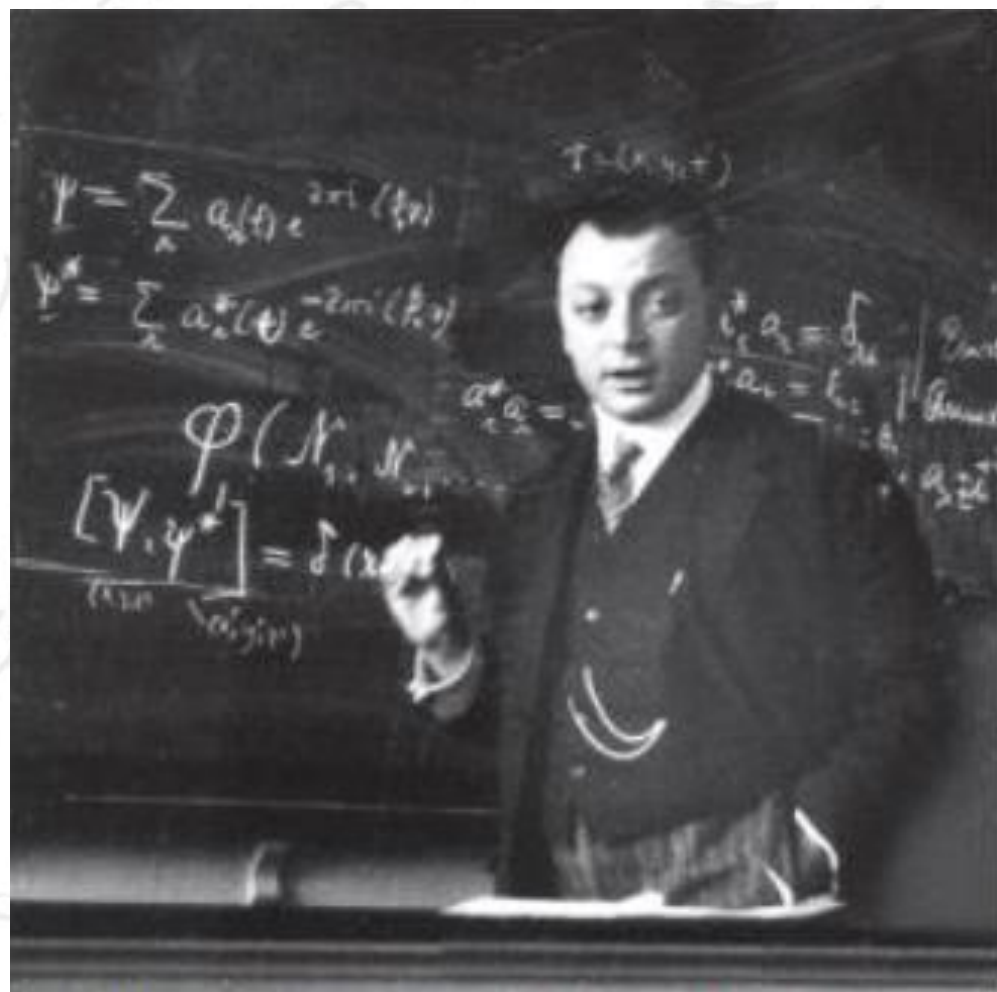
CLUSTER OF EXCELLENCE
QUANTUM UNIVERSE

CRC 1624
HIGHER STRUCTURES, MODULI
SPACES AND INTEGRABILITY

WPC Colloquium

Tuesday, 14 January 2025
6:30 PM

Agathe-Lasch Lecture Hall
University of Hamburg
Edmund-Siemers-Allee 1, 20146 Hamburg



Invitation to Black Hole Thermodynamics

Prof. Dr. Edward Witten
Institute for Advanced Studies
Princeton

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.

This event is supported by
the Cluster of Excellence Quantum Universe and
the CRC 1624 Higher Structures, Moduli Spaces and Integrability

More information
<https://indico.desy.de/event/46572>
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