

Session Program

27-29 Mar 2023

Principles in Physics

Session

Bergische Universität Wuppertal, O.07.24
Gaußstr. 20, 42119 Wuppertal

Monday 27 March

15:30

Session: Monday afternoon (3 talks)

Session | **Location:** Bergische Universität Wuppertal, O.07.24, Gaußstr. 20, 42119 Wuppertal

15:30–16:05

Covariance, Equivalence and Locality: Reconsidering The Methodological Lesson from General Relativity

Speaker

Guy Hetzroni

16:05–16:40

The Principle of Complete Positivity and the Open Systems View

Speaker

Michael Cuffaro

16:40–17:15

The reverse side of the BRST coin: String-localized quantum field theory

Speaker

Karl-Henning Rehren

17:15–17:50

Vague ideas

Speaker

Márton Gömöri

17:50

Tuesday 28 March

11:25

Session: Tuesday morning (2 talks)

Session | **Location:** Bergische Universität Wuppertal, O.07.24, Gaußstr. 20, 42119 Wuppertal

11:25–12:00

Are Physics Principles Needed to Justify Theories in Space-time & Gravity?

Speaker

J. Brian Pitts

12:00–12:35

The Meaning of Quantum Mechanics as a Principle Theory

Speaker

Iulian Toader

12:35

16:25

Session: Tuesday afternoon (2 talks)

Session | **Location:** Bergische Universität Wuppertal, O.07.24, Gaußstr. 20, 42119 Wuppertal

16:25–17:00

Cassirer's Theory of Physical Principles and the Route to Schrödinger's Undulatory Mechanics

Speaker

Benedetta Spigola

17:00–17:35

The global principle of relativity

Speaker

Jochum Van Der Bij

17:35

Wednesday 29 March

11:25

Session: Wednesday morning (3 talks)

Session | **Location:** Bergische Universität Wuppertal, O.07.24, Gaußstr. 20, 42119 Wuppertal

11:25–12:00

Dreams of a Physics Without Lagrangians: The Long S-Matrix Programme

Speaker

James Duncan Fraser

12:00–12:35

Axioms as Principles: The Case of Quantum Field Theory

Speaker

Michael Stöltzner

12:35–13:10

A Functional Classification of Physical Principles, Illustrated by the Theory of Relativity

Speaker

Samuel Fletcher

13:45