



# FACETS OF PROBABILITY

Workshop at the Virtual Center for Structure, Methods, and Theory

01.04.2026 | Jena

Quantum theory, game theory, information theory, and learning theory describe different aspects of the world. All these theories build on the notion of probability. The meaning of probability, however, remains elusive. Probability can refer to physical systems that produce random outputs, such as dice or roulette wheels. It can also refer to the subjective degree of belief to which some statement is valid. The speakers in the workshop approach probability from different perspectives: objective, subjective, computational, and physical.

After the workshop, you are invited to network over coffee and snacks.

Participation is free, but due to limited seating, please register in advance: [https://indico.rz.uni-jena.de/e/facet\\_of\\_probability](https://indico.rz.uni-jena.de/e/facet_of_probability).



**Date:** Wednesday, 1 April, 2026

**Place:** Minimum lecture hall, Inselplatz 5, 07743 Jena

14:00–14:10 **Welcome**

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14:10–14:40 **Bayesian Probability**

*Michael Habeck*

*Microscopic Image Analysis Group, University Hospital - UKJ*

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14:40–15:20 **Quantum Probability**

*Stefan Flörchinger*

*Institute for Theoretical Physics, Friedrich Schiller University Jena*

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15:20–15:50

**Coffee Break**

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15:50–16:20 **Von Mises' Approach to Probability**

*Ilya Pavlyukevich*

*Institute of Mathematics, Friedrich Schiller University Jena*

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16:20–16:50 **Algorithmic Randomness**

*Joachim Giesen*

*Institute of Computer Science, Friedrich Schiller University Jena*

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16:50–18:00

**Get Together with Snacks**

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