

Symposium

“Concepts of Probability in the Sciences”

October 29 – 30, 2018

organized by

Christoph Dellago (U Vienna), Wolfgang Reiter (U Vienna), Jakob Yngvason (U Vienna)

• Monday, October 29, 2018

09:00 – 09:15 **Opening**09:15 – 10:15 **Jos Uffink***The Interpretation of Probability*10:15 – 11:05 **Sylvia Wenmackers***(P)paradox=100%*11:05 – 11:40 *Coffee / Tea Break*11:40 – 12:30 **Sandy Zabell***The Tension between the Subjective and Objective Views of Chance*12:30 – 14:00 *Lunch Break*14:00 – 14:50 **Charlotte Werndl***Calibration and Confirmation in Climate Science*14:50 – 15:40 **Rüdiger Schack***QBism and Normative Probability in Quantum Mechanics*15:40 – 16:10 *Coffee / Tea Break*16:10 – 17:00 **Udo Seifert***Beyond the Second Law: Probability in Stochastic Thermodynamics*17:00 – 17:50 **Elliott H. Lieb***Understanding Entropy without Probability*

• Tuesday, October 30, 2018

09:30 – 10:20 **Časlav Brukner***Wigner's friend as a rational agent*10:20 – 11:10 **Alexia Auffèves***What is Quantum in Quantum Randomness?*11:10 – 11:40 *Coffee / Tea Break*11:40 – 12:30 **Jean Bricmont***Probabilistic Explanations and the Derivation of Macroscopic Laws*12:30 – 14:00 *Lunch Break*

14:00 – 14:50 **Erik Curiel**

What Is Generic and What Is Special about the Universe?

14:50 – 15:40 **Stefan Thurner**

Where do all these Distribution Functions come from?

15:40 – 16:10 *Coffee / Tea Break*

16:10 – 17:00 **Gerhard Hummer**

Inferring Statistical Ensembles from Experiment and Simulation

17:00 – 17:50 **Peter Schuster**

Chance and Randomness in Evolutionary Processes

17:50 – 18:00 **Closing**

All talks take place at the ESI, Boltzmann Lecture Hall!