

## **Session Program**

**20-24 Jan 2025**



## **Workshop on the sign problem in QCD and beyond**

***Tuesday morning***

University of Bern, Lecture Hall 099 (ExWi Building)  
University of Bern Exakte Wissenschaften (ExWi) Sidlerstrasse 5 3012 Bern Switzerland

# Tuesday 21 January

08:30

## Tuesday morning

**Session** |

**Location:** University of Bern, Lecture Hall 099 (ExWi Building), University of Bern Exakte Wissenschaften (ExWi)  
Sidlerstrasse 5 3012 Bern Switzerland

08:30–09:15

### Complex instanton gas approximation for the Hubbard model away of half-filling

**Speaker**

Maksim Ulybyshev

09:15–10:00

### Convex methods for sign problems

**Speaker**

Scott Lawrence

10:15

10:45

## Tuesday morning

**Session** |

**Location:** University of Bern, Lecture Hall 099 (ExWi Building), University of Bern Exakte Wissenschaften (ExWi)  
Sidlerstrasse 5 3012 Bern Switzerland

10:45–11:30

### Phase Diagram of the Schwinger Model by Adiabatic Preparation of States on a Quantum Simulator

**Speaker**

Dr Oleg Kaikov

11:30–12:15

### BBGKY hierarchy for zero noise extrapolation in quantum error mitigation

**Speaker**

Theo Saporiti

12:30