

Session Program

20 July 2025 to 1 August 2025



**THEORY
SUMMER
SCHOOL**

**Frontiers and Challenges in Lattice
Gauge Theory**
21 July – 1 August 2025
<https://indico.mitp.uni-mainz.de/event/419/>

Organized by
Harvey Meyer | JGU Mainz
Sinéad Ryan | Trinity College Dublin
Hartmut Wittig | JGU Mainz
Felix Yu | JGU Mainz

mitp
Mainz Institute for
Theoretical Physics

Frontiers and Challenges in Lattice Gauge Theory - MITP Summer School 2025

Student talks

Erbacher Hof
Greibenstrasse 24-26, 55116 Mainz, Germany

Monday 28 July

19:00

Student talks

Session | Location: Erbacher Hof, Grebenstrasse 24-26, 55116 Mainz, Germany

19:00–19:40

An Overview of Center Vortices and Color Confinement in Lattice Gauge Theory - Rafael Tonhon

21:00

19:40–20:20

Scaling of Stochastic Normalizing Flows for Topological Freezing - Andrea Bugarelli

Tuesday 29 July

19:00

Student talks

Session | **Location:** Erbacher Hof, Grebenstrasse 24-26, 55116 Mainz, Germany

21:00

19:00–19:40

Lorenzo Verzichelli - Effective Strings for 2+1 D Confining Theories

19:40–20:20

Rocco Amorosso - Entanglement Entropy

Thursday 31 July

16:00

Student talks

Session | Location: Erbacher Hof, Grebenstrasse 24-26, 55116 Mainz, Germany

16:00–16:40 **Vaishakhi Moningi**

16:40–17:20 **Marko Maležič**

17:20–18:00 **Bhavna Prasad**

18:00

Friday 1 August

16:00
18:00

Student talks	
Session	Location: Erbacher Hof, Grebenstrasse 24-26, 55116 Mainz, Germany
16:00–16:40	Octavio Vega
16:40–17:20	Gabriele Morandi
17:20–18:00	Hanyang Xing