

# Presentation of the thesis topics and research groups

Innsbruck, 17th January 2024

# Institut for Experimental Physics

# Information on today's procedure

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- Short wrap up of organizational information
- Research groups introduce themselves
- Q&A session where you can talk to the research groups and ask various questions

# Information on the Bachelor's thesis

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- Get an overview and find your topic
- Contact desired supervisor
- Registration for the course in LFU:online
- Bachelor thesis presentation in the seminar
- Submission in the seminar
- One grade, whole module accounts for 10 ECTS

# Information on the Master's thesis

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- Get an overview, find your topic and contact desired supervisor
- Critical Research Analysis (22,5 ECTS)
  - PJ Research Study (12,5 ECTS)
  - SE Research Seminar (5 ECTS) and VU Research Analysis (5 ECTS)
- Master's thesis preparation (2.5 ECTS)
- Master's thesis (27,5 ECTS)
- Defense of the Master's thesis (2.5 ECTS)
- (Additional Courses)

# Institut für Experimentelle Physik

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**Head:** Prof. Gregor Weihs

**Speaker:** Vikas Remesh, PhD.

**Research field:** Photonics

**Heads: Dr. Thomas Monz, Dr. Martin Ringbauer,**  
**Dr. Philipp Schindler**

**Speaker: Dr. Martin Ringbauer**

**Research field: Quantum Information Processing**  
**with Trapped Ions**

**Head and Speaker: Christian Roos, PhD.**

**Research field: Quantum Optics and Spectroscopy**



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**Head and Speaker: Prof. Benjamin Lanyon**

**Research field: Distributed quantum systems**

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**Head and Speaker: Prof. Tracy Northup**

**Research field: Quantum Interfaces**

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**Head:** Prof. Francesca Ferlaino

**Speaker:** Dr. Mark Manfred

**Research field:** Dipolar Quantum Gases

**Heads:** Prof. Hanns-Christoph Nägerl

**Speaker:** Manuele Landini, PhD.

**Research field:** Strongly Correlated Quantum Matter

**Head:** Prof. Gerhard Kirchmair

**Speaker:** Teresa Hönigl-Decrinis, PhD.

**Research field:** Superconducting Quantum Circuits

# Absent today

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- [Prof. Rudolf Grimm / Ultracold Quantum Matter](#)
- [Prof. Russell Bisset / Ultracold Quantum Matter Theory](#)

We wish you good talks and every  
success with your thesis's!