

ExtreMe Matter Institute EMMI

EMMI Workshop

Synthetic Topological Matter (SYNTOM)

August 31 - September 6, 2025

Centro de Ciencias de Benasque Pedro Pascual, Benasque, Spain



Key Topics:

- Quantum simulation of topological systems
- Synthetic fractional quantum Hall systems
- Cold atoms with artificial gauge fields
- Anyons and non-Abelian quantum statistics
- Topological field theories

Organizers:

Tobias Grass (DIPC)
Selim Jochim (U Heidelberg)
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Leticia Tarruell (ICFO)
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Information:

www.gsi.de/emmi/workshops

Website:

<https://indico.gsi.de/event/22119/>

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www.gsi.de/emmi

