

IMPRS for Quantum Science and Technology

Courses for the curriculum

Lecture	Institution	Lecturer / Module responsible	Term
Advanced Quantum Field Theory	TUM	Weiler	SS19
Computational Methods in Many-Body Physics	TUM	Knap / Pollmann	SS19
Current Topics in the Physics and Technology of 2D Materials	TUM	Finley	SS19
Density Functional Theory	LMU	Siedentop	SS19
Inequalities in Operator Algebras (special course)	TUM	Carlen (John von Neumann guest professor)	SS19
Many-Body Physics	LMU	Pollet/ Punk	SS19
Many Particle Physics with Ultracold Atoms	TUM	Zwerger	SS19
Mathematical Introduction to Quantum Information Processing	TUM	Wolf	SS19
Mathematical Quantum Mechanics II	LMU	Siedentop	SS19
Modern Semiconductors	LMU	Högele	SS19
Quantum Field Theory	LMU	Sachs	SS19
Quantum Optics 2	LMU	Bloch/ Fölling/ Aidelsburger / Blatt	SS19
Quantum Optics 2	TUM	Rempe	SS19
Superconductivity and Low Temperature Physics 2	TUM	Gross	SS19
Tensor Networks	LMU	Von Delft	SS19
Topological Electronics and Materials	TUM	Holleitner	SS19
Topology and New Kinds of Order in Condensed Matter Physics	TUM	Pollmann	SS19
Two Dimensional Materials	TUM	Holleitner	SS19
Ultracold Quantum Gases 2	LMU	Bloch/ Fölling/ Aidelsburger	SS19