



# 55. Herbstschule of High-Energy Physics

(formerly Herbstschule Maria Laach)

## September 03 – 13, 2024

The school is primarily aimed at PhD students of theoretical and experimental high energy particle physics. The venue is the physics centre (Physikzentrum) in Bad Honnef. Participation in the event is by invitation only. Students who are interested in attending may reach out to the expert closest to their geographical location, as listed here:

<https://herbstschule-hep.tp.nt.uni-siegen.de/institutes/>.

### Main lectures:

Standard Model precision physics	Kirill Melnikov	KIT
Higgs and electroweak physics at the LHC	Marumi Kado	MPI
QCD and jets at the LHC	Peter Uwer	HU Berlin
Physics beyond the Standard Model	Matthew McCullough	CERN
Flavour Physics	Marco Gersabeck	Uni Manchester
Dark Matter	Felix Kahlhöfer	KIT
Quantum Computing	Lena Funcke	Uni Bonn

### Organisation:

Prof. Dr. M. Klute Karlsruhe Inst. of Tech.	Prof. Dr. S. Dittmaier Universität Freiburg	Prof. Dr. A. Lenz Universität Siegen
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### Head organiser for 2024:

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### More information available at

<https://herbstschule-hep.tp.nt.uni-siegen.de/>

