



# 56. Herbstschule of High-Energy Physics

(formerly Herbstschule Maria Laach)

## September 02 – 12, 2025

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	Steffen Schumann	<i>U. Göttingen</i>
Experimental results from the LHC	Florencia Canelli	<i>U. Zürich</i>
QCD and jets at the LHC	Lance Dixon	<i>SLAC</i>
Physics beyond the Standard Model	Tao Han	<i>U. Pittsburgh</i>
Particle physics detectors	Jochen Dingfelder	<i>U. Bonn</i>
Cosmology	Carlos Frenk	<i>U. Durham</i>
Experimental lepton flavour physics	Ann-Kathrin Perrevoort	<i>U. Groningen</i>

### Organisation:

Prof. Dr. S. Dittmaier  
*Universität Freiburg*

Prof. Dr. M. Klute  
*Karlsruhe Inst. of Tech.*

Prof. Dr. A. Lenz  
*Universität Siegen*

### Head organiser for 2025:

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More information available at

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

