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UNIVERSITÄT  
HEIDELBERG  
ZUKUNFT  
SEIT 1386

# Workshop on The (classical) Geometry of Physics

Open for:  
Master Students  
PhD Students  
Young Postdocs

September 03-06, 2024, Schöntal Abbey

**Do you want to learn more about General Relativity and geometry?**

Apply now for the 8<sup>th</sup> Schöntal Workshop! 16 young researchers will participate in the workshop and two invited experts, who offer their expertise whenever needed. The workshop will consist of discussion rounds which are conducted by the participants.

**Prerequisites:** Standard courses in theoretical physics and/or mathematics.

Our goal is to learn about the geometrical nature of General Relativity:

**Why to geometrize gravity and how  
Gravity and Geometry from symmetries**

**From gauge invariance to gravitational waves – How to make a mess of spacetime  
Black holes, singularities & horizons – How to fall again into a BH while standing still**

**Invited guests:**

Prof. Dr. Matthias Bartelmann, ITP Heidelberg  
Dr. Valdo Tatitscheff, IMa Heidelberg

**How to apply:**

The application is open until **July 26, 2024**. Scan the QR code or follow this link:  
<https://structures.uni-heidelberg.de/schoental2024>

**Contact:** [pastor\\_c@thphys.uni-heidelberg.de](mailto:pastor_c@thphys.uni-heidelberg.de)

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