



UNIVERSITÄT  
HEIDELBERG  
ZUKUNFT  
SEIT 1386

# 13<sup>th</sup> HGSFP



## Winter School

January 30 - February 4, 2020 in Obergurgl, Austria

Lectures on research topics of different HGSFP branches

Participate in poster sessions

Socialize with like-minded and take part in outdoor activities

Travel and accommodation costs covered

### Special Lecture

**Marcus Nüsser**

Glaciers in the Himalaya:  
From the Resistance of Snow to  
Integrated Socio-Hydrological  
Reflections

### Environmental Physics

**Kira Rehfeld**

Climate Change and Climate  
Variability

### Complex Classical Systems

**Marc Kachelrieß**

Current and Upcoming X-Ray CT  
Technologies

register now!\*

### Fundamental Interactions

**Niklaus Berger**

The Subtle Difference Between Left and  
Right: Parity Violation as a Tool in  
Fundamental Physics

**Matthias Bartelmann**

Kinetic Field Theory and Structure  
Information

### Astronomy and Cosmology

**Sara Rezaei Kh.**

Milky Way as a Dust Factory  
**Faustine Cantalloube**  
Imaging Exoplanets: Why and  
How?

### Complex Quantum Systems

**Anne Harth**

Attosecond Timing with Spectral  
Resolution

**Clemens Velte**

Cryogenic Particle Detectors

**Tracy Northup**

Quantum Information

Register online: [http://gsfp.physi.uni-heidelberg.de/winterschool\\_2020/](http://gsfp.physi.uni-heidelberg.de/winterschool_2020/)

\* The registration is open for all HGSFP students from October 7 – 31, 2019. Applicants will be selected and notified shortly after the registration is closed and **not** on a first-come first-serve basis!

