



UNIVERSITÄT  
HEIDELBERG  
ZUKUNFT  
SEIT 1386

# 14<sup>th</sup> HGSFP



## Winter School

18-23 January, 2022 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

**Rainer Prinz**

Hintereisferner - an uncalibrated  
(?) instrument in the Open Air  
Laboratory Rofental

### Environmental Physics

**Christian Katlein**

A physicist at the north pole: A story  
of radiative transfer in sea ice, the  
largest Arctic expedition in History  
and new measurement technologies.

### Medical Physics

**Niklas Wahl**

Numerical Modeling in  
Radiotherapy: Present and Future of  
Computational Radiation  
Treatment Planning

### Particle Physics and Chemical Physics

**Susanne Westhoff**

Particle Dark Matter

**Paul Faßl**

The Physics and Future Prospects of  
State-of-the-Art and Emerging  
Photovoltaic Technologies

### Astrophysics and Cosmology

**Fiorenza Donato**

Cosmic messengers in the Galaxy

**Björn Malte Schäfer**

Causality and Geometry in Physics

### Complex Quantum Systems

**Adriana Pálffy**

Coherent Light Interacting with  
Nuclei

**Helmut Strobel**

Continuous Analog Quantum  
Simulation

**Tracy Northup**

Towards a Quantum Internet

register now!

Register online: [https://gsfp.physi.uni-heidelberg.de/winterschool\\_2022/](https://gsfp.physi.uni-heidelberg.de/winterschool_2022/)

\* The registration is open for all HGSFP students from October 7 – 31, 2021. Applicants will be selected and notified shortly after the registration is closed and **not** on a first-come first-serve basis!

