



12th HGSFP

Winter School



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

January 16-20, 2019 in Obergurgl, Austria

Lectures on research topics of all HGSFP branches
Participate in poster sessions
Socialize with like-minded and take part in outdoor activities
Open to all HGSFP students
Travel and accommodation costs covered

Mathematical Physics

Carlo Ewerz

Strongly Coupled Systems and the
Applied Physics of Black Holes

Special Invited Lecture:

Benjamin Reuter

From Cloud to Cloud: How Avalanches Form

Environmental Physics

Freya Hemsing

Unlocking Changes in Ocean
Dynamics

Complex Classical Systems

Joao Seco

Radiation Biology: Physics at the
Forefront of Cancer Therapy

register now!*

Fundamental Interactions

Sven Sturm

Precision Measurements on Highly
Charged Ions

Silvia Masciocchi

Hot QCD Matter Produced in Ultra-
Relativistic Heavy-Ion Collisions

Astronomy and Cosmology

Til Birnstiel

Building Planets – A Journey along
40 Orders of Magnitude

Tobias Buck

Galaxy Formation in a Nutshell

Complex Quantum Systems

Martin Gärtner

Prospects and Challenges of
Quantum Computing

Sebastian Kempf

Josephson Junction Based
Superconducting Electronics

Register online: http://gsfp.physi.uni-heidelberg.de/winterschool_2019/

(*): the registration is open from October 8-31, 2018. Applicants will be selected and notified shortly after the registration is closed and **not** on a first-come first-serve basis!

