



10th HGSFP Winter School



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

January 27-31, 2017 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

Mathematical Physics

L. Witkowski

Folk theorems of Quantum
Gravity

Special Invitation lecture:

Monica Dunford

From riots to raves: Modeling collective
human behavior to avoid catastrophe

Environmental Physics

P. Yogeshwar

Environmental Geophysics using
Electromagnetic Methods

Complex Classical Systems

K. Großmayer

Single-Molecule Fluorescence and
Super-Resolution Imaging

Fundamental Interactions

N. Berger

Two, three, many? How quarks
make hadrons

C. F. Anders

Jets to the future: Boosted boson and
top jets as a probe for new physics

Astronomy and Cosmology

B. M. Schäfer

Fundamental principles and their
realisation in physical laws

G. Parmentier

Star Clusters and Star Cluster
Systems

Complex Quantum Systems

S. Hoekstra

Fundamental physics with cold
molecules

F. Jendrzejewski

Engineering static and dynamical
gauge fields with ultracold matter