



5th HGSP WINTER SCHOOL

21 - 25 January 2012
Obergurgl, Austria

Lectures on current research topics in fundamental physics
Poster presentations of fellow students
Discussions with speakers and students
Social and sports activities

**Quantum Dynamics and
Complex Quantum Systems**

**Astronomy and Cosmic
Physics**

**Fundamental Interactions
and Cosmology**

Jörg Evers

X-ray quantum optics

Frank Neubrech

Nanooptics, plasmonics and IR spectroscopy

Shannon Whitlock

Ultracold atoms in different dimensions

Christoph Mordasini

Planet formation

Björn Schäfer

Weak gravitational lensing

Arjen van der Wel

Formation and evolution of galaxies

Alban Kellerbauer

Storing antimatter in penning traps

Dirk Wiedner

LHCb experiment and CP violation

General Talk: Kurt Stüwe

Geology of the Alps and glaciers

**Online Application
10 - 24 October 2011**

Further information:

http://gsfp.physi.uni-heidelberg.de/winterschool_2012