

Internationale Universitätswochen für Theoretische Physik

## 50<sup>th</sup> Anniversary Schladming Winter School

# Prospects of Particle Physics

Schladming, Austria, February 25 – March 3, 2012

**Harald Grosse**  
(University of Vienna)

**Gerard 't Hooft**  
(University of Utrecht)

**Heinrich Leutwyler**  
(University of Berne)

**Manfred Lindner**  
(MPI Heidelberg)

**Hermann Nicolai**  
(MPI Potsdam-Golm)

**Herbert Pietschmann**  
(University of Vienna)

**Carlo Rubbia**  
(CERN and LN Gran Sasso)

**Francesco Sannino**  
(University of Southern Denmark)

**Pippa Wells**  
(CERN)

**Fundamentals and Prospects of  
Quantum Field Theories**

**Conformal Gravity**

**Progress in Understanding  
Quantum Chromodynamics**

**Neutrino Physics and Dark Matter**

**Ways to Quantum Gravity**

**Half a Century of  
Schladming Winter Schools**

**Exploring Known and Unknown Particles**

**No-Higgs Alternatives**

**LHC Experimental Results  
and Future Prospects**

Further detailed information is available from the web page <http://physik.uni-graz.at/schladming2012/>

Director of the School: W. Plessas  
Organizing Committee: A. Krassnigg  
H. Latal  
L. Mathelitsch  
W. Schweiger

Theoretische Physik / Institut für Physik  
Karl-Franzens-Universität Graz  
Universitätsplatz 5, A-8010 Graz, Austria  
Phone: +43 316 380 5225  
E-mail: [theor.physik@uni-graz.at](mailto:theor.physik@uni-graz.at)  
<http://physik.uni-graz.at/schladming2012/>