

54. Internationale Universitätswochen für Theoretische Physik Schladming, Styria, Austria, February 21 - 26, 2016

New Trends in Particle Physics, Quantum Gravity & Cosmology

The focus of the 2016 edition of the Schladming Winter School in Theoretical Physics will be on new trends and open challenges in the understanding of the microcosm. With the discovery of a Standard Model-like scalar boson at the LHC and no further clear-cut observation of new phenomena at the electroweak scale the quest for a natural description of the microcosm has become even more pressing. Evaluating new theoretical frameworks which UV-complete the Standard Model or benchmark models beyond the Standard Model, fascinates physicists across the various communities including those working on model building, particle phenomenology, quantum gravity, cosmology and formal theory. Several key speakers will address this topic from different angles. Contributed seminars by participants and a poster session add to the vibrancy of the event.

Astrid Eichhorn (Imperial College)

Asymptotic Safety

Petr Horava (UC Berkeley)

Gravity and the Quantum

Hugh Osborn (U Cambridge)

Advances in Quantum Field Theory

Tilman Plehn (U Heidelberg)

Collider Physics: Tools and Techniques

Veronica Sanz (U Sussex)

Models for the LHC and Beyond

Martin Schmaltz (Boston U)

Fundamental Theory Beyond the SM

Mikhail Shaposhnikov (EPF Lausanne)

Particle Physics and Cosmology

Participation

Please access <http://physik.uni-graz.at/schladming2016/> if you wish to participate, and complete the registration form as soon as possible, but no later than **January 31, 2016**.



Contact

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