## **Future Colliders at the Energy Frontier**

Dr. Frank Simon MPI für Physik, Werner-Heisenberg-Institut, München

With the discovery of the Higgs boson at LHC, all particles of the Standard Model have been observed experimentally, yet many questions are left unanswered. The discovery has intensified the planning for future high-energy colliders, which aim to probe the Standard Model and the mechanism of electroweak symmetry breaking with higher precision and to extend and complement the search for new particles currently under way at the LHC. This talk will review the concepts for future colliders beyond the LHC currently being discussed with a focus on their physics potential and an emphasis on lepton and hadron collider projects at the highest possible energies.