

The 2005 workshop, entitled *Weak-Coupling Expansion for the Pressure of Hot QCD*, was organized on September 8 - 10, 2005, at the ECT* in Trento, Italy. This was a small (about 15 participants) but intensive workshop, with a clear focus. The main goals were to map the current status as concerns the determination of the pressure of hot QCD up to order $g^6 T^4$; to review automatised techniques for perturbative computations at finite temperatures and on the lattice; and to summarise the results from Lattice Monte Carlo simulations within effective theories of hot QCD. The meeting consisted of review talks on the various sub-topics; technical reports, attempting to analyse in detail the challenges that lie ahead and to clarify the techniques that are believed to help in solving them; as well as a few topicwise “peripheral” contributions, with the aim of opening new angles and stimulating new approaches. Moreover, there was ample time for discussions during and after the talks. All of the talks appeared to serve their purposes; indeed both the format of the meeting and the contents of the presentations were deemed a success. Most of the talks presented continue to be electronically available through <http://www.physik.uni-bielefeld.de/~laine/trento/program.html>.