

Plenarvortrag PV XX Fr 8:45 RW 1
Quarkonium spectroscopy from lattice QCD — ●GEORG
M. VON HIPPEL — Institut für Kernphysik, Johannes-Gutenberg-
Universität Mainz, 55099 Mainz, Germany
Lattice simulations remain the only known method to obtain a pri-
ori information about the spectrum of Quantum Chromodynamics

(QCD). Recent progress both in theoretical formulations and algo-
rithms now allows for the extraction of reliable information on the
excited-state spectra of quarkonium. I will discuss some of the theo-
retical issues involved and review recent lattice results on both charmo-
nium and bottomonium spectra, in particular also taking into account
recent progress regarding the bottomonium hyperfine structure within
non-relativistic QCD.