

Plenarvortrag

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Heavy Quarks: From Hadron to Particle Physics — ●_{THOMAS}
MANNEL — Theoretische Physik 1, Universität Siegen, Walter Flex
Str. 3, 57072 Siegen

Heavy Quarks provide important insights into quantum chromodynamics (QCD), the well established theory of strong interactions. The mass of the heavy quark allows us to perform a systematic expansion of

QCD in inverse powers of the heavy-quark mass which has become an established tool in heavy hadron physics. Applications of this method in hadron physics range from hadron spectroscopy to strong decays of excited heavy hadrons, while in particle physics this method is used to get precise predictions for weak decays of bottom and charm hadrons.

The talk will review this method and give an overview of its applications in hadron and particle physics.