



Contribution ID: 271

Type: **Talk**

## **【315】 Hadron Physics from Lattice Simulations**

*Wednesday, August 29, 2018 5:30 PM (15 minutes)*

We first sketch the concepts of the lattice regularisation in quantum field theory. This formulation provides a link to statistical mechanics, which enables its treatment by means of Monte Carlo simulations. They lead to non-perturbative numerical measurements of observables, such as the hadron spectrum, from first principle of Quantum Chromodynamics (QCD). We summarise the status of lattice QCD with dynamical quarks, where hadronic observables can now be evaluated to percent accuracy.

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**Session Classification:** Nuclear, Particle- & Astrophysics (TASK)

**Track Classification:** Nuclear, Particle- and Astrophysics (TASK)