

# Introduction to Physics Computing L1: Hadron Collider Physics

*Monday 9 September 2024 11:30 (1 hour)*

Here we will focus on the physics of particle collisions, theoretical aspects of the standard model of particle physics, its predictive power as well as its shortcomings. Experimental aspects such as collider facilities and modern particle physics experiments as well as example physics questions and corresponding data analyses will be discussed. Furthermore, the compute models with the resulting amount of recorded data and simulated Monte Carlo events will be described.

## Summary

**Presenter:** QUADT, Arnulf (Georg August Universitaet Goettingen (DE))