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## **Three-Loop Scattering Amplitudes in QCD**

Tuesday 26 April 2022 15:30 (30 minutes)

Scattering amplitudes serve as a bridge between theoretical predictions and experimental data and are therefore key objects in QFT. Although much progress has been made in this field, it is still very hard to compute scattering amplitudes at higher orders in perturbation theory. I will describe modern methods for the computation of amplitudes in general field theories and present new results in QCD which confirm the quadrupole contributions to the IR structure of QCD.

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