Contribution ID: **536**   Type: **Plenary**

Hyperasymptotic expansions in QCD

Wednesday 8 January 2025 08:30 (35 minutes)

We show how to apply hyperasymptotic expansions to QCD observables. This allows, in principle, to achieve exponential ($\sim exp(-1/\alpha)$) accuracy in their determination with a well defined parametric error. A selected set of applications we will discuss are heavy quark mass expansions, the static potential and the gluon condensate.

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Session Classification: Plenary session 7