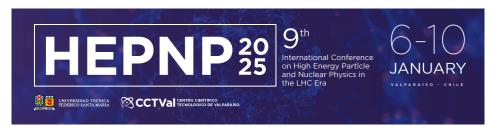
## 9th International Conference on High Energy Particle and Nuclear Physics in the LHC Era



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