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## Analytic Results for Elliptic Two-Loop QCD Amplitudes

*Tuesday 2 September 2025 16:00 (30 minutes)*

Two-loop four-point QCD amplitudes receive elliptic contributions stemming from internal, massive quark loops. In this talk, I will explain how these contributions can be expressed in terms of iterated integrals over a set of independent kernels utilizing canonical differential equations. Further, I will demonstrate how the corresponding amplitudes can be evaluated numerically fast and reliable via appropriate series expansions.

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