

Loop-the-Loop-2: Feynman calculus and its applications to gravity and particle physics

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Type: **not specified**

Non linear memory from reverse unitarity

Tuesday 11 November 2025 11:40 (30 minutes)

I will present a recent computation of the nonlinear gravitational-wave memory in two-body scattering, using scattering amplitudes and soft theorems in the weak-field post-Minkowskian regime. The effect first appears at NNLO PM, and I will show how its evaluation reduces to simpler, lower-point cut two-loop integrals.

Presenter: GEORGOUDIS, Alessandro

Session Classification: Scattering Amplitudes in Gravity