

# Master integrals for three-loop Higgs plus jet production

*Wednesday, 11 September 2024 12:15 (25 minutes)*

I will present novel results for non-planar three-loop four-point Feynman integrals with one off-shell leg. The talk will cover various integration techniques, as well as observations on the function space. As a first application, I present an analytic result for a form factor of a local composite operator in maximally supersymmetric Yang-Mills theory.

**Presenter:** LIM, Jungwon

**Session Classification:** Methods for amplitudes and integrals

**Track Classification:** Methods for amplitudes and integrals