

# Triple real contributions to zero-jettiness soft function at N3LO

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

In this talk, we present some technical details in the calculation of triple real contributions to the zero-jettiness soft function at N3LO. We use extended reverse unitarity to handle Heaviside functions in the integral reduction and compute master integrals by solving differential equations with respect to an auxiliary parameter. Additional complications introduced by the analytic regulator are discussed.

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