

Master integrals for all unitarity cuts of massless 4-loop propagators

Wednesday, September 11, 2019 9:00 AM (25 minutes)

Among the unitarity cuts of massless 4-loop propagators two classes remain unknown: 2-loop 3-particle, and 1-loop 4-particle cuts. I'd like to fill this gap and present the calculation of master integrals for both of these cuts. I would also like to discuss the ongoing work of using those to compute semi-inclusive phase-space integrals relevant to the calculation of NNLO time-like splitting functions.

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Session Classification: Wednesday Morning B

Track Classification: P