Contribution ID: **45**   Type: **not specified**

Higgs pair production at NNLO

Monday 15 April 2024 15:00 (30 minutes)

The two-loop (NLO) corrections to Higgs pair production are large, and suffer from large uncertainties due to the renormalization scheme and scale of the top quark mass. This strongly motivates a three-loop (NNLO) computation of the cross section. In this talk I will discuss progress towards this goal, by investigating the NNLO virtual corrections in an expansion around the forward scattering limit. Despite the expansion, this proves a very computationally challenging endeavour.

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Session Classification: Parallel B

Track Classification: LHC