

# Two loop QCD amplitudes for di-pseudoscalar Higgs production

*Thursday, September 12, 2019 3:00 PM (25 minutes)*

We compute the two-loop massless QCD corrections to the four point amplitude  $g + g \rightarrow A + A$ . Two operators contribute this amplitude and the ultraviolet renormalisation requires careful treatment involving mixing. The universal structure of the infrared poles are studied in detail.

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