Contribution ID: **5**   Type: **not specified**

MATCHETE - Automated One-Loop Matching with Function Methods

Wednesday, 14 September 2022 14:00 (45 minutes)

In this talk I will present an overview of the Mathematica software suite "MATCHETE". Starting from a Lagrangian provided by the user, MATCHETE determines the effective low-energy Lagrangian with matching conditions up to one-loop order using functional methods. I will discuss the matching procedure and highlight some of the technical challenges arising from operator reduction and evanescent operators.

Primary author: KÖNIG, Matthias

Presenter: KÖNIG, Matthias

Session Classification: Session