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## **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.

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**Session Classification:** Session