

# Final-state NLO matching in Alaric

*Monday 14 July 2025 17:50 (20 minutes)*

In this talk, we present steps towards automated matching of the Alaric parton shower to NLO QCD matrix elements for lepton collisions in Sherpa. We validate our implementation against jet production in  $e^+e^- \rightarrow$  jets for up to five jets. We show numerical tests of the subtraction in the infrared limit, benchmarking against the Catani-Seymour subtraction. We then present first hadron-level matched results compared against LEP data.

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