



## **N-jettiness at NNLO accuracy in electron-positron annihilation**

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Vetoing undesired jets is essential in many analyses aiming at searches for new particles. A new jet function, called N-jettiness has been introduced with the purpose of using an inclusive event shape variable for vetoing jets. The logarithms from the phase space restriction, are simple enough to allow their systematic summation to all orders, which allows for providing high precision predictions that combine the fixed-order and resummed results. In this talk we present predictions for two- and three-jettiness in electron-positron annihilation at the next-to-next-to-leading order accuracy. We use the CoLoRFulNNLO subtraction scheme, which is implemented in a computer program that can be used for computing arbitrary jet cross sections at NNLO provided the necessary matrix elements are supplemented.

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