

## Event shapes for massive particles

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In this talk I will review recent progress in the field of event shapes with massive particles. I will present “massive” schemes, emphasising their impact on the sensitivity to quark masses, and will show results for fixed-order and resummed computations up to  $\mathcal{N}^2\text{LL} + \mathcal{O}(\alpha_s)$  accuracy. For the 2-jettiness observable, cross sections at  $\mathcal{N}^3\text{LL} + \mathcal{O}(\alpha_s^2)$  precision will be presented in the peak region, where the one is most sensitive to the top quark mass. If time permits, I will briefly cover exact computations in the large- $\beta_0$  limit of the relevant EFT matrix elements.

**Primary author(s)** : MATEU, Vicent (Universidad de Salamanca); Mr BRIS, Alejandro (Universidad Autónoma de Madrid); Mr GONZÁLEZ, Néstor (Universidad de Salamanca); Dr PREISSER, Moritz (University of Vienna); Dr PATHAK, Aditya (University of Manchester); Mr LEPENIK, Christopher (University of Vienna); Prof. HOANG, André (University of Vienna); Prof. STEWART, Iain (MIT); Mr BACHU, Bra (Princeton University)

**Presenter(s)** : MATEU, Vicent (Universidad de Salamanca)

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