

## Resummation of Multi-Differential Cross Sections (15+5min)

Many LHC analyses involve cuts on several observables, but resummed predictions are mostly restricted to single variables. We show how the simultaneous resummation of multiple observables can be achieved through the construction of novel effective field theories, increasing the precision of theoretical predictions. I will discuss two different prototypical examples:

(1) Jet substructure: the measurement of two angularities on one jet.

(2) Higgs cross sections: the measurement of the transverse momentum of a Higgs boson in the presence of a jet veto.

Numerical results will be presented. [This talk is based on JHEP 1502 (2015) 117 and a forthcoming publication.]

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