

# HP2.3rd - The 3rd International Workshop on High Precision for Hard Processes at the LHC

Contribution ID: 6

Type: **not specified**

## Event shapes at hadron colliders

*Thursday 16 September 2010 10:00 (30 minutes)*

We present results for event-shape differential distributions at the Tevatron and at the LHC. Theoretical predictions are obtained by combining next-to-leading order (NLO) calculations with all-order resummation of logarithmic enhanced contributions at next-to-leading logarithmic (NLL) accuracy. We show that event shapes have significant scope in validating and tuning parton shower event generators, as well as for testing models for hadronisation and underlying event. We also discuss how event shapes can be exploited to distinguish between QCD and New Physics events.

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**Session Classification:** Morning I