

BSM searches using SM measurements!

Thursday 30 January 2020 14:00 (20 minutes)

As no definite signs of new physics has been observed at the LHC data yet, alternate approaches have been proposed. These include looking at unusual topologies, and using existing measurements to constrain models (CONTUR). In tis overview, I will discuss some of the recent developments along these directions, covering jet substructure methods to identify semivisible jets, a realistic detector smearing applicable for substructure, and reverse engineering CONTUR to predict how sensitive a measurement will be for BSM scenarios.

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