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From Quark to Jet: A Beautiful Journey

Tuesday 25 February 2014 11:30 (1 hour)

This lecture will begin by presenting the detecting systems needed for proper jet reconstruction. Then the jet reconstruction algorithms in detail are explained. A brief explanation of combination algorithms follows, completed by an examination of the datastructures used to store them. This will be followed by a brief description of a multivariate technique commonly used for the classification of these objects and the software package (TMVA) used to implement them. Particular attention is paid to which parts of these algorithms can be completed on university or personal level computing that is the common interface for analysts.

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