

Séminaire de physique des particules et de cosmologie

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Topic Model for four-top at the LHC

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This talk presents the application of one particular topic modelling algorithm to a significant Standard Model LHC benchmark: Four-top production. We discuss the Demixer algorithm technique and its limitations while comparing it to more MonteCarlo based techniques. In the end, we point towards some alternative directions toward reducing MonteCarlo dependency in LHC searches. As a byproduct addendum, and to broaden the scope of topic modelling, we present IArxiv.org: a Topics Model algorithm to sort daily arxiv papers through user Topic preference.
