



Contribution ID: 5

Type: Talk

A novel density estimator and its use for LHC signal detection (8'+2')

Thursday, June 4, 2020 5:20 PM (10 minutes)

We introduce a new density estimator based on Markov Chains. This estimator presents several benefits with respect to the usual ones and can be used straightforwardly in all density-based approaches to data science. After showing its consistency, we will present some promising results when applied to general scope datasets. Finally, we perform a preliminary analysis of a subset of the latest high energy physics dataset from darkmachines, establishing encouraging prospects for future use.

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