Contribution ID: **93** Type: **Talk**

Anomaly Detection for Searches of Rare Processes at the LHC

Searches for new physics at the LHC typically focus on well-specified new physics models. However, this may leave interesting potential signals untested. In this presentation, we describe a search method that does not assume a specific form for the searched distributions. The method is based on a scan of the copula space of multidimensional features of collider events. The performances are studied and assessed on simulated datasets.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

LHC Open Data

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

Yes

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Session Classification: Mini-workshop on Machine Learning for Particle Physics