

Explore new physics with advanced Machine Learning techniques at CMS

Saturday 20 July 2024 17:02 (17 minutes)

Advanced machine-learning (ML) based methods are being increasingly used to tackle the analyses of large and complex datasets. At CMS we explore the unique opportunity to exploit these new ML methods to extract information and address scientific questions to search for physics beyond the Standard Model, with the overarching aim to discern possible signatures for new physics. In this talk we will discuss results using this novel strategy carried out with the full Run-II dataset collected by the CMS experiment at the LHC.

Alternate track

1. Computing, AI and Data Handling

I read the instructions above

Yes

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Session Classification: Computing and Data handling

Track Classification: 14. Computing, AI and Data Handling