



Contribution ID: 272

Type: **Talk**

Machine Learning (CMS)

Thursday, August 26, 2021 6:40 PM (25 minutes)

In recent years, Machine Learning (ML) methods have become ubiquitous in High Energy Physics (HEP) research. This talk will explore current areas of ML for HEP research including event classification, object reconstruction, jet tagging, and accelerated ML inference for trigger environments. I will also discuss current opportunities and challenges in the ML for physics space and ways researchers can use these tools to advance science. Although this talk is focused on successful implementations of novel ML methods in the CMS experiment, the techniques and topics covered are relevant to a wide range of HEP experiments.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

CMS

Is the speaker for that presentation defined?

Yes

Details

Thais, Savannah Jennifer

Internet talk

No

Primary author: THAIS, Savannah Jennifer (Princeton University (US))

Presenter: THAIS, Savannah Jennifer (Princeton University (US))

Session Classification: A High Energy Particle Physics