



Contribution ID: 244

Type: **Talk**

Missing values treatment in event classification.

Friday, 27 August 2021 13:00 (30 minutes)

In the collider physics searches, missing values can occur if some of the final state particles are not present in all the events. The electroweak production of the $Z\gamma jj$ –a good probe for the electroweak symmetry breaking –is an example of a process with such final state. Third jet parameters are known to be good at distinguishing it from its' main background –QCD $Z\gamma jj$ production –but only minor fraction of events has a third jet in the final state. This report uses third jet parameters in the EWK/QCD $Z\gamma jj$ processes separation to study the automated methods for the missing values treatment in the advanced machine learning algorithms. The results are compared with the results obtained with manual clustering and statistical imputation.

Is this abstract from experiment?

No

Name of experiment and experimental site

N/A

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