Contribution ID: **8** Type: **not specified**

Using Machine Learning to find Dark Matter

Monday 29 March 2021 17:11 (6 minutes)

Dark Matter has been a significantly difficult problem to solve for decades. With possible production channels being very similar to common background processes, trying to isolate signals has become like looking for a needle in a cosmic haystack. Machine Learning advancements have caused an acceleration in physics computing and allowed us to use sophisticated techniques to more accurately and quickly find possible new physics. How is ML being used today to find Dark Matter and what does it mean for the physics community at large?

Presenter: DAVIES, Joe (University of London (GB))

Session Classification: Student Session