

# Third MODE Workshop on Differentiable Programming for Experiment Design



Contribution ID: 104

Type: Talk

## Direct Dark Matter Experiments and Machine Learning

*Monday 24 July 2023 14:00 (20 minutes)*

During the past decade the incorporation of machine learning techniques, particularly deep learning, has led to innovation within the field of (astro)particle physics. Given the success of deep learning methods, machine learning applications in direct dark matter experiments have seen increased attention. In this talk, we discuss some of such applications in the current generation of direct dark matter experiments.

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**Session Classification:** Applications in AstroHEP

**Track Classification:** Astrophysics and Cosmology