

## Third MODE Workshop on Differentiable Programming for Experiment Design



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Type: Talk

### Use of machine learning techniques for muography applied to industrial applications

*Tuesday 25 July 2023 12:00 (20 minutes)*

This work presents several uses of machine learning techniques, ranging from regressional neural networks, convolutional neural networks and generative adversarial neural networks, applied to scattering muography in the context of industrial problems and applications. A review of the different techniques will be given together with some projects on future developments being carried out. A discussion on the advantages and drawbacks of these techniques will also be provided.

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**Session Classification:** Applications in Muon Tomography

**Track Classification:** Muography