

## Second MODE Workshop on Differentiable Programming for Experiment Design



Contribution ID: 49

Type: Talk

### Normalizing flows for differentiable expectation values

*Wednesday 14 September 2022 09:50 (20 minutes)*

I will give a short introduction to (conditional) normalizing flows and discuss why they are essential to calculate “manageable” differentiable expectation values of continuous random variables. I will discuss some examples where this might be useful and end the talk with a github-package that combines some state of the art conditional normalizing flows to be used with minimal manual labor.

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**Session Classification:** Applications in AstroHEP

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