

Session Program

23-25 Sept 2024



Fourth MODE Workshop on Differentiable Programming for Experiment Design

Nuclear Physics

Valencia (Spain)

Tuesday 24 September

16:30

Nuclear Physics

Session | **Location:** Valencia (Spain) | **Convener:** Cesar Domingo Pardo

16:30–16:50

Automated Design of Quantum Experiments

Speaker

Mario Krenn

16:50–17:10

Automatic optimization of a Parallel-Plate Avalanche Counter with Optical Readout

Speaker

María Pereira

17:10–17:30

Utilizing Neuronal Networks to Enhance the Application of Metallic-Magnetic Calorimeters for X-ray Spectroscopy

Speaker

Mr Marc Oliver Herdrich

17:30–17:50

Differentiable Deep Learning Surrogate Models applied to the optimization of the IFMIF-DONES facility

Speaker

Galo Gallardo Romero

17:50–18:10

Optimal design for experimental production of exotic hypernuclei

Speaker

Samuel Escrig López

18:10