

Session Program

23-25 Sept 2024



Fourth MODE Workshop on Differentiable Programming for Experiment Design

Medical Physics

Valencia (Spain)

Wednesday 25 September

14:20

Medical Physics

Session | **Location:** Valencia (Spain) | **Convener:** Gabriela Llosá

14:20–14:40

PETAL-3D: A Novel 3D U-Net Approach for Ultra-Low-Dose PET Image Denoising

Speaker

Mr Ezzat Elmoujarkach

14:40–15:00

Neural Networks for inter-crystal scatter recovery in semi-monolithic PET detectors

Speaker

Karol Brzezinski

15:00–15:20

Machine Learning Framework for Time Pick-Up of Nuclear Detector Signals

Speaker

José Andrés Avellaneda González Not Supplied

15:20–15:40

Enhancing Compton Camera Imaging with Neural Networks

Speaker

Javier Pérez Curbelo

15:40