## PAiP-2025 conference "Particle Astrophysics in Poland"



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## Deep learning for neutrino interactions with nuclei

Thursday, 20 February 2025 15:12 (18 minutes)

The success of next-generation neutrino oscillation experiments, such as DUNE and Hyper-Kamiokande, relies heavily on our ability to predict neutrino-nuclei cross sections accurately. In my talk, I will demonstrate how deep learning techniques can enhance the models for neutrino and electron-nuclei scattering cross sections.

Primary author: Prof. GRACZYK, Krzysztof (Institute of Theoretical Physics, University of Wrocław)

Presenter: Prof. GRACZYK, Krzysztof (Institute of Theoretical Physics, University of Wrocław)

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