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NuWro release 25.03

Tuesday 2 September 2025 17:23 (22 minutes)

NuWro, a state-of-the-art Monte Carlo generator developed by theorists at the University of Wroclaw, simulates neutrino-nucleus interactions. This talk will demonstrate NuWro's capabilities, methodologies, and applications in simulating neutrino-nucleus interactions across a wide energy range, from a few MeV's to hundreds of GeV. Lastly, I will present the highlights of NuWro v25.03 which was released in March, 2025. I will go through the new Hybrid Model for single pion production model and the new MEC model which is based on NuWro implementation of the Valencia 2020 Model. I will also discuss the recent developments in the field of machine learning within Wroc{\l}aw group

Authors: PRASAD, Hemant;   Prof. SOBCZYK, Jan (University of Wroclaw)

Presenter: PRASAD, Hemant

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