

Session Program

17-21 Jan 2022

**Neutrino-Nucleus Interactions in the
Standard Model and Beyond**

***Neutrino Cross Sections and Event
Generators***

CERN, Zoom only

Monday 17 January

14:15

Neutrino Cross Sections and Event Generators

Session | Location: CERN, Zoom only

14:15–14:40 **The Precision Frontier in Neutrino Experiments**

Speaker

Andrew Furmanski

14:50–15:15 **The Valencia Model**

Speaker

Juan M Nieves

15:25

15:45

Neutrino Cross Sections and Event Generators

Session | Location: CERN, Zoom only

15:45–16:10 **The Giessen model for neutrino-nucleus interactions**

Speaker

Ulrich Mosel

16:20–16:45 **Neutrino shallow- and deep-inelastic scattering**

Speaker

Teppei Katori

16:55

Tuesday 18 January

14:00

Neutrino Cross Sections and Event Generators

Session | Location: CERN, Zoom only

14:00–14:25 **NEUT status and prospects**

Speaker

Yoshinari Hayato

14:35–15:00 **News from NuWro**

Speaker

Jan Sobczyk

15:10

15:30

Neutrino Cross Sections and Event Generators

Session | Location: CERN, Zoom only

15:30–15:55 **GENIE**

Speaker

Costas Andreopoulos

16:05–16:30

A novel event generator for the automated simulation of neutrino scattering

Speaker

Joshua Isaacson

16:40–17:05 **Lattice QCD for Neutrino Experiments**

Speaker

Andreas Kronfeld

17:15

Wednesday 19 January

15:20

Neutrino Cross Sections and Event Generators

Session | **Location:** CERN, Zoom only

15:20–15:45

Electrons for Neutrinos: new results towards precision oscillation measurements

Speaker

Or Hen

15:55–16:20

Coupled Cluster theory for Neutrino Scattering

Speaker

Joanna Sobczyk

16:30–16:55

Factorisation as a framework for the unified description of neutrino-nucleus interactions

Speaker

Omar Benhar

16:55

17:15

Neutrino Cross Sections and Event Generators

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17:15–17:40

CRPA predictions of neutrino-nucleus interactions

Speakers

Alexis Nikolakopoulos, Natalie Yvonne Jachowicz

17:50–18:15

Green's Function Monte Carlo predictions of neutrino-nucleus cross section

Speaker

Alessandro Lovato

18:25