

Session Program

6-11 Sept 2021

NuFact 2021: The 22nd International Workshop on Neutrinos from Accelerators

WG 2

THotel
Via dei Giudicati, 66, 09131 Cagliari, Italy

Wednesday 8 September

12:40

WG 2

Session | **Location:** Parallel 2 | **Convener:** Ryan Plestid

12:40-12:58 NuWro Strategy and Recent Development

Speaker

Kajetan Niewczas

12:58-13:16 NEUT Strategy

Speaker

Dr Yoshinari Hayato

13:16-13:34 AGKY Hadronization Model Tuning in GENIE 3

Speaker

Julia Tena Vidal

13:34-13:52

Exhaustive neural importance sampling applied to Monte Carlo event generation

Speaker

Dr Sebastian Pina-Otey

13:52-14:10

Inelastic Axial and Vector Structure Functions for Electron- and Neutrino- Nucleon Scattering 2021 Update

Speaker

Arie Bodek

14:10

14:20

WG 2

Session | **Location:** Parallel 2 | **Convener:** Julia Tena Vidal

14:20-14:40 Recent neutrino cross-section results from MicroBooNE

Speaker

Dr Elena Gramellini

14:40-15:00 Neutrino-induced proton knockout in MicroBooNE

Speaker

Samantha Sword-Fehlberg

15:00-15:20

QED radiative corrections to charged-current neutrino-nucleon elastic scattering for accelerator neutrino experiments

Speaker

Oleksandr Tomalak

15:20-15:38 Study of tau neutrino production with nuclear emulsion at CERN-SPS

Speaker

Dr Osamu Sato

15:50

Thursday 9 September

12:40

WG 2

Session | **Location:** Parallel 2 | **Convener:** Kajetan Niewczas

12:40-12:58

Lepton-nucleus interactions within the spectral function approach

Speaker

Dr Noemi Rocco

12:58-13:16

Combined neutrino and antineutrino charged current cross section measurement on carbon with zero final state pions in the T2K near detector complex

Speaker

Caspar Maria Schloesser

13:16-13:34

An improved muon neutrino charged-current single positive pion cross section on water using michel electron reconstruction in the T2K near detector

Speaker

Sam Jenkins

13:34-13:52

The influence of cross section uncertainties on oscillation physics

Speaker

Dr Vishvas Pandey

14:10

14:20

WG 2

Session | **Location:** Parallel 2 | **Convener:** Lu Ren

14:20-14:38

Exploring generalized neutrino interactions at the COHERENT

Speaker

Dr Newton Nath

14:38-14:56

Probing axion-like particles with reactor neutrino experiments

Speaker

Dimitrios Papoulias

14:56-15:14

Impact of the QCD dynamics on the determination of the high energy astrophysical neutrino flux

Speaker

Diego RG

15:14-15:32

Possible studies on generalized parton distributions and gravitational form factors

Speaker

Shunzo Kumano

15:32-15:50

The SND@LHC experiment at CERN

15:50

Speaker

Eric Van Herwijnen

16:00

WG 2**Session** | **Location:** Parallel 2 | **Convener:** Afroditi Papadopoulou

16:00–16:20

Cross Section Measurement of Pion Absorption in ProtoDUNE Single Phase Detector at CERN**Speaker**

Libo Jiang

16:20–16:40

Muon-neutrino charged-current interactions at the NOvA near detector**Speaker**

Leonidas Aliaga Soplin

16:40–16:58

Interactions with an Electromagnetic Shower in the Final State at the NOvA Near Detector**Speaker**

Bryan Joseph Ramson

16:58–17:16

Weak structure functions in $\nu\text{I}-\text{N}$ and $\nu\text{I}-\text{A}$ scattering with nonperturbative and higher order perturbative QCD effects**Speaker**

Dr Huma Haider

17:30