

Session Program

Sep 6 - 11, 2021

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

WG 2

THotel
Via dei Giudicati, 66, 09131 Cagliari, Italy

Wed, September 8

12:40 PM

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

2:10 PM

2:20 PM

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

3:50 PM

Thu, September 9

12:40 PM

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

2:10 PM

2:20 PM

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

3:50 PM

Speaker
Eric Van Herwijnen

4:00 PM

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 $\nu l-N$ and $\nu l-A$ scattering with nonperturbative and higher order perturbative QCD effects

Speaker
Dr Huma Haider

5:30 PM