

NuSTEC Workshop on Shallow- and Deep-Inelastic Scattering

Report of Contributions

Contribution ID: 1

Type: **not specified**

1A

Contribution ID: 2

Type: **not specified**

1B - Neutrino SIS and DIS in OScillation experiments (30')

Presenter: Dr KATORI, Teppei (Queen Mary University of London)

Session Classification: 1: General introduction and considerations from non-neutrino communities

Contribution ID: 3

Type: **not specified**

1A - e-A community studies of the SIS/DIS region (60'+10')

Thursday 11 October 2018 09:00 (1h 10m)

Presenter: Prof. KEPPEL, Thia (Jefferson Lab, USA)

Session Classification: 1: General introduction and considerations from non-neutrino communities

Contribution ID: 4

Type: **not specified**

2A - Implementation of Rein-Sehgal and Berger-Sehgal in GENIE (30'+10')

Thursday 11 October 2018 11:00 (40 minutes)

Presenter: Prof. DYTMAN, Steve (University of Pittsburgh, USA)

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 5

Type: **not specified**

2B - Status of the Bodek-Yang Model (30')

Thursday 11 October 2018 11:40 (30 minutes)

Presenter: Prof. YANG, Un Ki (Seoul National University (KR))

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 6

Type: **not specified**

2C - GiBUU

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 7

Type: **not specified**

2C - GENIE

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 8

Type: **not specified**

2C - NuWro

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 9

Type: **not specified**

2C - NEUT

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: **10**

Type: **not specified**

2D - Generator Comparison of SIS/DIS treatment- Overview

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: **11**

Type: **not specified**

3A - NOvA (30'+10')

Thursday 11 October 2018 17:00 (40 minutes)

Presenter: Prof. MUETHER, Mathew (Fermilab)

Session Classification: 3: Sensitivity of oscillation parameters to the SIS and DIS region

Contribution ID: 12

Type: **not specified**

3B - SIS/DIS interactions and related uncertainties in atmospheric neutrino oscillation analysis (30')

Thursday 11 October 2018 17:40 (30 minutes)

Presenter: Dr BRONNER, Christophe (University of Tokyo)

Session Classification: 3: Sensitivity of oscillation parameters to the SIS and DIS region

Contribution ID: 13

Type: **not specified**

4A - Isobar models of resonance production

Session Classification: 4: Resonant and non-resonant pion production with $W > \Delta$

Contribution ID: 14

Type: **not specified**

4A - Dynamical coupled-channel models

Presenter: Dr NAKAMURA, Satoshi (Universidade Cruzeiro do Sul, Brazil)

Session Classification: 4: Resonant and non-resonant pion production with $W > \Delta$

Contribution ID: **15**

Type: **not specified**

3C - GiBUU

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: **16**

Type: **not specified**

2C - GENIE

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 17

Type: **not specified**

2C - NuWro

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: **18**

Type: **not specified**

2C - NEUT

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: **19**

Type: **not specified**

2D - Generator Comparison of SIS/DIS treatment- Overview

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: **20**

Type: **not specified**

2C - GiBUU (20'+5')

Thursday 11 October 2018 14:00 (25 minutes)

Presenter: Dr GALLMEISTER, Kai (Goethe University Frankfurt, Germany)

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 21

Type: **not specified**

2C - Tuning the pion production in GENIE v3 (20'+5')

Thursday 11 October 2018 14:25 (25 minutes)

Presenter: TENA VIDAL, Julia (University of Liverpool)

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: **22**

Type: **not specified**

2C - NuWro (15'+5')

Thursday 11 October 2018 14:50 (20 minutes)

Presenter: Prof. SOBCZYK, Jan (Wroclaw University, Poland)

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 23

Type: **not specified**

2C - DIS Event Generation in NEUT (20'+5')

Thursday 11 October 2018 15:10 (25 minutes)

Presenter: Dr BRONNER, Christophe (University of Tokyo, Japan)

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 24

Type: **not specified**

2D - Generator Comparison of SIS/DIS treatment- Overview (25')

Thursday 11 October 2018 15:35 (25 minutes)

Presenter: Dr BRONNER, Christophe (University of Tokyo)

Session Classification: 2: Generator / Transport treatments of the SIS and DIS region

Contribution ID: 25

Type: **not specified**

4B - Non-resonant and interference effects in pion production (30'+5')

Friday 12 October 2018 09:35 (35 minutes)

Presenter: Dr KABIRNEZHAD, Minoo

Session Classification: 4: Resonant and non-resonant pion production with $W > \Delta$

Contribution ID: 26

Type: **not specified**

4C - Experimental nu-A higher-W pion production studies (20')

Friday 12 October 2018 10:10 (20 minutes)

Presenter: Prof. DYTMAN, Steve (Univ of Pittsburgh, USA)

Session Classification: 4: Resonant and non-resonant pion production with $W > \Delta$

Contribution ID: 27

Type: **not specified**

5A - Duality in e-nucleon / nucleus scattering (30'+10')

Friday 12 October 2018 11:20 (40 minutes)

Presenter: Prof. CHRISTY, Eric (Hampton University, USA)

Session Classification: 5: The transition from SIS to DIS

Contribution ID: **28**

Type: **not specified**

5B - Duality in neutrino nucleus scattering (30')

Friday 12 October 2018 12:00 (30 minutes)

Presenter: Prof. PASCHOS, Emmanuel (University of Dortmund, Germany)

Session Classification: 5: The transition from SIS to DIS

Contribution ID: 29

Type: **not specified**

5C - Higher Twist and Duality in the SIS/DIS transition (30'+10')

Friday 12 October 2018 14:30 (40 minutes)

Presenter: Dr HAIDER , Huma (Aligarh Muslim University, India)

Session Classification: 5: The transition from SIS to DIS

Contribution ID: 30

Type: **not specified**

5D - Chiral Field and Regge theory in the transition region (30')

Friday 12 October 2018 15:10 (30 minutes)

Presenter: Prof. JACHOWICZ, Natalie (Ghent University, Department of Subatomic and Radiation Physics)

Session Classification: 5: The transition from SIS to DIS

Contribution ID: 31

Type: **not specified**

6A - Nuclear Medium Effects on Structure Functions I

Presenter: Prof. ATHAR, Mohammad Sajjad (Aligarh Muslim University, India)

Session Classification: 6: Nuclear modifications of structure functions and nuclear PDFs

Contribution ID: 32

Type: **not specified**

6B - Nuclear Medium Effects on Structure Functions II

Presenter: Dr KULAGIN, Sergey (INR, Moscow, Russia)

Session Classification: 6: Nuclear modifications of structure functions and nuclear PDFs

Contribution ID: 33

Type: **not specified**

6C - nPDFs from e/mu-A and nu-A scattering (30'+10')

Saturday 13 October 2018 09:00 (40 minutes)

Presenter: Dr KUSINA, Aleksander (IFJ PAN, Poland)

Session Classification: 6: Nuclear modifications of structure functions and nuclear PDFs

Contribution ID: 34

Type: **not specified**

6D - nPDFs from e/mu-A and nu-A scattering II

Session Classification: 6: Nuclear modifications of structure functions and nuclear PDFs

Contribution ID: 35

Type: **not specified**

Determining if Partonic Nuclear Effects are different for nu-A compared to e-A Scattering(30')

Session Classification: 6: Nuclear modifications of structure functions and nuclear PDFs

Contribution ID: 36

Type: **not specified**

7A - The Lund Hadronization Model (30'+10')

Saturday 13 October 2018 11:00 (40 minutes)

Presenter: Dr PRESTEL, Stefan (Lund University/Fermilab)

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: 37

Type: **not specified**

7A - Hadronization models in neutrino event generators

Presenter: Dr KATORI, Teppei (Queen Mary University of London)

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: **38**

Type: **not specified**

7C - Hadronization in FLUKA

Presenter: Dr SALA, Paola (CERN and INFN Milano)

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: 39

Type: **not specified**

7D - Hadronization in DPMJET

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: 40

Type: **not specified**

7B - The GENIE Hadronization Model (30')

Saturday 13 October 2018 11:40 (30 minutes)

Presenter: Dr ANDREOPOULOS, Costas (University of Liverpool)

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: 41

Type: **not specified**

7C - Hadronization in FLUKA (30'+10')

Saturday 13 October 2018 14:00 (40 minutes)

Presenter: Dr SALA, Paola (CERN and INFN Milano)

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: 42

Type: **not specified**

7D - Hadronization systematic errors for neutrino experiments (20'+10')

Presenter: Dr KATORI, Teppei (Queen Mary University of London)

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: 43

Type: **not specified**

1C - TBA

Presenter: Dr GALLMEISTER, Kai (Goethe Universität Frankfurt)

Session Classification: 1: General introduction and considerations from non-neutrino communities

Contribution ID: 44

Type: **not specified**

4A - Dynamical coupled-channel models (30'+5')

Friday 12 October 2018 09:00 (35 minutes)

Presenter: Dr NAKAMURA, Satoshi (Universidade Cruzeiro do Sul, Brazil)

Session Classification: 4: Resonant and non-resonant pion production with $W > \Delta$

Contribution ID: 45

Type: **not specified**

6A - Nuclear Medium Effects on Structure Functions I (30'+10')

Friday 12 October 2018 16:30 (40 minutes)

Presenter: Prof. ATHAR, Mohammad Sajjad (Aligarh Muslim University)

Session Classification: 6: Nuclear modifications of structure functions and nuclear PDFs

Contribution ID: 46

Type: **not specified**

6B - Nuclear Medium Effects on Structure Functions II (30')

Friday 12 October 2018 17:10 (30 minutes)

Presenter: Dr KULAGIN, Sergey (INR, Moscow, Russia)

Session Classification: 6: Nuclear modifications of structure functions and nuclear PDFs

Contribution ID: 47

Type: **not specified**

7D - Hadronization in eA collisions (15'+5')

Saturday 13 October 2018 14:40 (20 minutes)

Presenter: Dr GALLMEISTER, Kai (Goethe Universität Frankfurt)

Session Classification: 7: Hadronization in the nuclear environment

Contribution ID: 48

Type: **not specified**

7E - Neutrino SIS systematic errors for oscillation experiments (30')

Saturday 13 October 2018 15:00 (30 minutes)

Presenter: Dr KATORI, Teppei (Queen Mary University of London)

Session Classification: 7: Hadronization in the nuclear environment