

**The first workshop of  
Southern Nuclear Science  
Computing Center (invitation  
only)**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Welcome

*Tuesday, 8 January 2019 08:40 (10 minutes)*

**Presenter:** Prof. WANG, Enke

**Session Classification:** Session 1

Contribution ID: 1

Type: **not specified**

## Remarks on SNSC

*Tuesday, 8 January 2019 08:50 (10 minutes)*

**Presenter:** Prof. XU, Nu

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## **Nuclear Physics from Lattice Simulations**

*Tuesday, 8 January 2019 09:00 (35 minutes)*

**Presenter:** Prof. MEISSNER, Ulf-G.

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

## Hadronic Tensor from Euclidean Path-Integral

*Tuesday, 8 January 2019 09:35 (35 minutes)*

**Presenter:** Prof. LIU, Keh-Fei

**Session Classification:** Session 1

Contribution ID: 4

Type: **not specified**

## NMEs in CDFT for $0\nu\beta\beta$ decay

*Tuesday, 8 January 2019 10:40 (35 minutes)*

**Presenter:** Prof. MENG, Jie

**Session Classification:** Session 2

Contribution ID: 5

Type: **not specified**

# Parton Distributions from Global Analysis at the LHC Era

*Tuesday, 8 January 2019 11:15 (35 minutes)*

**Presenter:** Prof. GAO, Jun

**Session Classification:** Session 2

Contribution ID: 6

Type: **not specified**

## Lattice QCD at Finite Baryon Density Regions

*Tuesday, 8 January 2019 14:00 (35 minutes)*

**Presenter:** Prof. NAKAMURA, Atsushi

**Session Classification:** Session 3



Contribution ID: 7

Type: **not specified**

## **Lattice Calculation of the Hadronic Light-by-Light Contribution to Muon $g-2$ Using Mira Supercomputer**

*Tuesday, 8 January 2019 14:35 (35 minutes)*

**Presenter:** Prof. JIN, Luchang

**Session Classification:** Session 3

Contribution ID: 8

Type: **not specified**

## Proton Mass and Spin from Supercomputer

*Tuesday, 8 January 2019 15:10 (35 minutes)*

**Presenter:** Prof. YANG, Yi-Bo

**Session Classification:** Session 3

Contribution ID: 9

Type: **not specified**

## Lattice Calculation of PDFs from LaMET

*Tuesday, 8 January 2019 16:15 (35 minutes)*

**Presenter:** Dr LIU, Yu-Sheng

**Session Classification:** Session 4

Contribution ID: **10**

Type: **not specified**

## **Precision Frontier at the Hadron Colliders**

*Tuesday, 8 January 2019 16:50 (35 minutes)*

**Presenter:** Prof. LIU, Xiao-Hui

**Session Classification:** Session 4

Contribution ID: 11

Type: **not specified**

# Deep Learning Application in High-Energy Nuclear Physics

*Tuesday, 8 January 2019 17:25 (35 minutes)*

**Presenter:** Dr ZHOU, Kai

**Session Classification:** Session 4

Contribution ID: 12

Type: **not specified**

## **Nucleon Electric Dipole Moment on the Lattice**

*Wednesday, 9 January 2019 08:30 (35 minutes)*

**Presenter:** Dr LIANG, Jian

**Session Classification:** Session 5

Contribution ID: 13

Type: **not specified**

## **In-Medium Hadron Properties from Lattice QCD**

*Wednesday, 9 January 2019 09:05 (35 minutes)*

**Presenter:** Prof. DING, Heng-Tong

**Session Classification:** Session 5

Contribution ID: 14

Type: **not specified**

## **EicC and the Computing Needs**

*Wednesday, 9 January 2019 10:45 (35 minutes)*

**Presenter:** Prof. LIANG, Yu-Tie

**Session Classification:** Session 6



Contribution ID: 15

Type: **not specified**

## **Phases of Strong-Interaction Matter from Hot-Dense Lattice QCD**

*Wednesday, 9 January 2019 10:10 (35 minutes)*

**Presenter:** Dr MUKHERJEE, Swagato

**Session Classification:** Session 6

Contribution ID: 16

Type: **not specified**

## **Hadron Structure on the Light-Front**

*Wednesday, 9 January 2019 11:20 (35 minutes)*

**Presenter:** Prof. ZHAO, Xing-Bo

**Session Classification:** Session 6

Contribution ID: 17

Type: **not specified**

## **Introduction to the Tianhe Supercomputers**

*Wednesday, 9 January 2019 14:00 (35 minutes)*

**Presenter:** Prof. DU, Yun-Fei

**Session Classification:** Session 7

Contribution ID: **18**

Type: **not specified**

## **Introduction to Quantum Computation**

*Wednesday, 9 January 2019 14:35 (35 minutes)*

**Presenter:** Prof. XUE, Zheng-Yuan

**Session Classification:** Session 7

Contribution ID: 19

Type: **not specified**

## **The Lattice QCD Softwares for the Top Supercomputers in China**

*Wednesday, 9 January 2019 15:10 (35 minutes)*

**Presenter:** Prof. GONG, Ming

**Session Classification:** Session 7