

**Lattice PDF Workshop, 6–8
April 2018**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction and Remarks on LaMET

Friday 6 April 2018 09:00 (40 minutes)

Presenter: JI, xiangdong (university of maryland)

Session Classification: Theory developments

Contribution ID: 2

Type: **not specified**

Renormalization in the LaMET

Friday 6 April 2018 09:40 (40 minutes)

Presenter: ZHANG, Jianhui

Session Classification: Theory developments

Contribution ID: 3

Type: **not specified**

Power Corrections and the Meson Distribution Amplitudes

Friday 6 April 2018 11:00 (40 minutes)

Presenter: CHEN, Jiunn-Wei

Session Classification: Theory developments

Contribution ID: 4

Type: **not specified**

OPE Analysis of Quasi-PDFs

Friday 6 April 2018 11:40 (40 minutes)

Presenter: JIN, Luchang

Session Classification: Theory developments

Contribution ID: 5

Type: **not specified**

Perturbative and non-perturbative renormalization for QPDF operators

Friday 6 April 2018 14:00 (40 minutes)

Presenter: Prof. CONSTANTINO, Martha (Temple University)

Session Classification: Theory developments

Contribution ID: 6

Type: **not specified**

Matching the quasi parton distribution in a momentum subtraction scheme

Friday 6 April 2018 14:40 (40 minutes)

Presenter: Dr ZHAO, Yong (Massachusetts Institute of Technology)

Session Classification: Theory developments

Contribution ID: 7

Type: **not specified**

Auxiliary field approach for nonperturbative renormalization

Saturday 7 April 2018 17:10 (40 minutes)

Presenter: GREEN, Jeremy (DESY, Zeuthen)

Session Classification: Lattice developments

Contribution ID: 8

Type: **not specified**

Particle number conservation in different matching procedures

Friday 6 April 2018 16:30 (40 minutes)

Presenter: STEFFENS, Fernanda (DESY - Zeuthen)

Session Classification: Theory developments

Contribution ID: 9

Type: **not specified**

Quasi TMDPDFs

Friday 6 April 2018 17:10 (40 minutes)

Presenter: Dr EBERT, Markus (MIT)

Session Classification: Theory developments

Contribution ID: **10**

Type: **not specified**

Pseudo Parton Distributions on the lattice

Friday 6 April 2018 17:50 (40 minutes)

Presenter: KARPIE, Joseph (College of William and Mary)

Session Classification: Theory developments

Contribution ID: 11

Type: **not specified**

Improving PDF Fits with Lattice-QCD Calculations

Saturday 7 April 2018 09:00 (40 minutes)

Presenter: WEN LIN, Huey-

Session Classification: Lattice developments

Contribution ID: 12

Type: **not specified**

Reconstruction of light-cone parton distribution functions from lattice QCD simulations at the physical point

Saturday 7 April 2018 09:40 (40 minutes)

Presenter: CICHY, Krzysztof

Session Classification: Lattice developments

Contribution ID: 13

Type: **not specified**

Lattice Calculation on Quasi-PDF at the physical pion mass

Saturday 7 April 2018 10:50 (30 minutes)

Presenter: LIU, Yu-Sheng

Session Classification: Lattice developments

Contribution ID: 14

Type: **not specified**

Higher moments of parton distribution functions from lattice QCD

Saturday 7 April 2018 11:20 (40 minutes)

Presenter: DAVOUDI, Zohreh

Session Classification: Lattice developments

Contribution ID: 15

Type: **not specified**

Pion light-cone distribution amplitude from lattice QCD with valence heavy quark

Saturday 7 April 2018 12:00 (30 minutes)

Presenter: LIN, David (National Chiao-Tung University)

Session Classification: Lattice developments

Contribution ID: 16

Type: **not specified**

Understanding the structure of the proton through large-scale simulations

Saturday 7 April 2018 14:00 (40 minutes)

Presenter: ALEXANDROU, Constantia

Session Classification: Lattice developments

Contribution ID: 17

Type: **not specified**

Pion Distribution Amplitudes from Euclidean Correlation Functions

Saturday 7 April 2018 14:40 (40 minutes)

Presenter: Prof. BALI, Gunnar (Universität Regensburg)

Session Classification: Lattice developments

Contribution ID: **18**

Type: **not specified**

Q-PDF with non-perturbative renormalization

Saturday 7 April 2018 15:20 (40 minutes)

Presenter: YANG, yibo (University of Kentucky, US)

Session Classification: Lattice developments

Contribution ID: 19

Type: **not specified**

Putative finite volume effects for spatially-nonlocal operators

Saturday 7 April 2018 16:30 (40 minutes)

Presenter: MONAHAN, Christopher

Session Classification: Lattice developments

Contribution ID: 20

Type: **not specified**

Lattice calculation of Hadronic Tensor

Sunday 8 April 2018 11:30 (30 minutes)

Presenter: LIANG, Jian (University of Kentucky)

Session Classification: Other developments and more discussions

Contribution ID: 21

Type: **not specified**

Nucleon's Axial Charge

Friday 6 April 2018 15:20 (40 minutes)

Presenter: WALKER-LOUD, Andre (LBNL)

Session Classification: Theory developments

Contribution ID: 22

Type: **not specified**

Extract partonic structure from hadronic lattice cross sections

Sunday 8 April 2018 09:00 (40 minutes)

Presenter: QIU, Jianwei (Jefferson Lab)

Session Classification: Other developments and more discussions

Contribution ID: 23

Type: **not specified**

Structure of pseudo- and quasi-PDFs

Sunday 8 April 2018 09:40 (40 minutes)

Presenter: RADYUSHKIN, Anatoly

Session Classification: Other developments and more discussions

Contribution ID: 24

Type: **not specified**

Comments on current-current correlator

Sunday 8 April 2018 10:50 (40 minutes)

Presenter: LIU, Kehfei (University of Kentucky)

Session Classification: Other developments and more discussions

Contribution ID: 25

Type: **not specified**

Round table discussions led by Karl Jansen

Sunday 8 April 2018 12:00 (30 minutes)

Participants

Panels: X. Ji, J.-W. Chen, J. Qiu, A. Radyushkin, F. Steffens, All

Session Classification: Other developments and more discussions

Contribution ID: 26

Type: **not specified**

Lattice PDFs at the physical pion mass

Presenter: LIU, Yu-Sheng

Session Classification: Theory developments