Lattice PDF Workshop, 6–8 April 2018

Report of Contributions

Introduction and Remarks on LaMET

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

Renormalization in the LaMET

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

Power Corrections and the Meson ····

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

OPE Analysis of Quasi-PDFs

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

Perturbative and non- ···

Contribution ID: 5

Type: not specified

Perturbative and non-perturbative renormalization for QPDF operators

Friday 6 April 2018 14:00 (40 minutes)

Presenter:Prof. CONSTANTINOU, Martha (Temple University)**Session Classification:**Theory developments

Lattice PDF Wo \cdots / Report of Contributions

Matching the quasi parton distrib ...

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 Techonology) **Session Classification:** Theory developments Lattice PDF Wo \cdots / Report of Contributions

Auxiliary field approach for nonp $\,\cdots\,$

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

Particle number conservation in d …

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

Lattice PDF Wo $\ \cdots \ /$ Report of Contributions

Quasi TMDPDFs

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

Lattice PDF Wo \cdots / Report of Contributions

Pseudo Parton Distributions on t

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

Improving PDF Fits with Lattice-...

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

Lattice PDF Wo $\ \cdots \ /$ Report of Contributions

Reconstruction of light-cone part ...

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

Lattice Calculation on Quasi-PDF ···

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

Higher moments of parton distri ...

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

Pion light-cone distribution ampl ...

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

Understanding the structure of th \cdots

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 Lattice PDF Wo ··· / Report of Contributions

Pion Distribution Amplitudes fro

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

Q-PDF with non-perturbative ren \cdots

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

Putative finite volume effects for …

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

Lattice PDF Wo \cdots / Report of Contributions

Lattice calculation of Hadronic T

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)

Nucleon's Axial Charge

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

Extract partonic structure from h $\,\cdots\,$

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)

Lattice PDF Wo \cdots / Report of Contributions

Structure of pseudo- and quasi-PDFs

Contribution ID: 23

Type: not specified

Structure of pseudo- and quasi-PDFs

Sunday 8 April 2018 09:40 (40 minutes)

Presenter: RADYUSHKIN, Anatoly

Lattice PDF Wo ··· / Report of Contributions

Comments on current-current co ····

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)

Lattice PDF Wo $\ \cdots \ /$ Report of Contributions

Round table discussions led by K $\,\cdots\,$

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

Lattice PDF Wo ··· / Report of Contributions

Lattice PDFs at the physical pion ···

Contribution ID: 26

Type: not specified

Lattice PDFs at the physical pion mass

Presenter: LIU, Yu-Sheng

Session Classification: Theory developments