

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

**Friday, 6 April 2018 - Sunday, 8 April 2018**

**College Park Marriott Hotel and Conference Center**  
**Programme**

# Table of contents

Friday 06 April 2018 .....	1
Theory developments .....	1
Coffee Break and Photo .....	1
Theory developments .....	1
Lunch .....	1
Theory developments .....	1
Coffee Break .....	1
Theory developments .....	1
Dinner on your own .....	1
Saturday 07 April 2018 .....	2
Lattice developments .....	2
Coffee Break .....	2
Lattice developments .....	2
Lunch .....	2
Lattice developments .....	2
Coffee Break .....	2
Lattice developments .....	2
Banquet .....	2
Sunday 08 April 2018 .....	3
Other developments and more discussions .....	3
Coffee Break .....	3
Other developments and more discussions .....	3
Lunch/Adjorn .....	3

## Friday 06 April 2018

### Theory developments - room: 0101 (09:00-10:20)

-Conveners: Feng Yuan

time	[id] title	presenter
09:00	[1] Introduction and Remarks on LaMET	JI, xiangdong
09:40	[2] Renormalization in the LaMET	ZHANG, Jianhui

### Coffee Break and Photo - room: 0101 (10:20-11:00)

### Theory developments - room: 0101 (11:00-12:30)

-Conveners: Iain Stewart

time	[id] title	presenter
11:00	[3] Power Corrections and the Meson Distribution Amplitudes	CHEN, Jiunn-Wei
11:40	[4] OPE Analysis of Quasi-PDFs	JIN, Luchang

### Lunch - room: 0101 (12:30-14:00)

### Theory developments - room: 0101 (14:00-16:00)

-Conveners: Jianwei Qiu

time	[id] title	presenter
14:00	[5] Perturbative and non-perturbative renormalization for QPDF operators	CONSTANTINOU, Martha
14:40	[6] Matching the quasi parton distribution in a momentum subtraction scheme	ZHAO, Yong
15:20	[7] Auxiliary field approach for nonperturbative renormalization	GREEN, Jeremy

### Coffee Break - room: 0101 (16:00-16:30)

### Theory developments - room: 0101 (16:30-18:30)

-Conveners: Andreas Metz

time	[id] title	presenter
16:30	[8] Particle number conservation in different matching procedures	STEFFENS, Fernanda
17:10	[9] Quasi TMDPDFs	EBERT, Markus
17:50	[10] Pseudo Parton Distributions on the lattice	KARPIE, Joseph

### Dinner on your own - room: 0101 (18:30-21:30)

# Saturday 07 April 2018

## Lattice developments - room: 0101 (09:00-10:20)

-Conveners: Karl Jansen

time	[id] title	presenter
09:00	[11] Improving PDF Fits with Lattice-QCD Calculations	WEN LIN, Huey-
09:40	[12] Reconstruction of light-cone parton distribution functions from lattice QCD simulations at the physical point	CICHY, Krzysztof

## Coffee Break - room: 0101 (10:20-10:50)

## Lattice developments - room: 0101 (10:50-12:30)

-Conveners: William Detmold

time	[id] title	presenter
10:50	[13] Lattice Calculation on Quasi-PDF at the physical pion mass	LIU, Yu-Sheng
11:20	[14] Higher moments of parton distribution functions from lattice QCD	DAVOUDI, Zohreh
12:00	[15] Pion light-cone distribution amplitude from lattice QCD with valence heavy quark	LIN, David

## Lunch - room: 0101 (12:30-14:00)

## Lattice developments - room: 0101 (14:00-16:00)

-Conveners: Taku Izubuchi

time	[id] title	presenter
14:00	[16] Understanding the structure of the proton through large-scale simulations	ALEXANDROU, Constantia
14:40	[17] Pion Distribution Amplitudes from Euclidean Correlation Functions	BALI, Gunnar
15:20	[18] Q-PDF with non-perturbative renormalization	YANG, yibo

## Coffee Break - room: 0101 (16:00-16:30)

## Lattice developments - room: 0101 (16:30-18:00)

-Conveners: Peter Petreczky

time	[id] title	presenter
16:30	[19] Putative finite volume effects for spatially-nonlocal operators	MONAHAN, Christopher
17:10	[21] Nucleon's Axial Charge	WALKER-LOUD, Andre

## Banquet (18:00-19:50)

# Sunday 08 April 2018

## Other developments and more discussions - room: 0101 (09:00-10:20)

-Conveners: David Richards

time	[id] title	presenter
09:00	[22] Extract partonic structure from hadronic lattice cross sections	QIU, Jianwei
09:40	[23] Structure of pseudo- and quasi-PDFs	RADYUSHKIN, Anatoly

## Coffee Break - room: 0101 (10:20-10:50)

## Other developments and more discussions - room: 0101 (10:50-12:30)

-Conveners: xiangdong ji

time	[id] title	presenter
10:50	[24] Comments on current-current correlator	LIU, Kehfei
11:30	[20] Lattice calculation of Hadronic Tensor	LIANG, Jian
12:00	[25] Round table discussions led by Karl Jansen	

## Lunch/Adjorn - room: 0101 (12:30-14:00)