

Preface QCD Evolution 2015

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QCD Evolution 2015 -QCDEV2015-

26-30 MAY 2015

Jefferson Lab (JLAB), Newport News Virginia, USA

Preface

The QCD Evolution workshop was held 26 – 30 May, 2015 at the Thomas Jefferson National Accelerator Facility (Jefferson Lab) in Newport News, Virginia, USA. The workshop was organized by Jefferson Lab, with additional support from Los Alamos National Lab, Pennsylvania State University-Berks, and Old Dominion University. The workshop is a continuation of a series of workshops held during four consecutive years 2011, 2012, 2013 at Jefferson Lab, and in 2014 in Santa Fe, New Mexico.

The rapid developments in our understanding of the evolution of parton distributions including low- x , TMDs, GPDs, higher-twist correlation functions, and the associated progress in perturbative QCD, lattice QCD and effective field theory techniques were the focus of this year's meeting. Special attention was also given to participation by young postdocs, students, and experimentalists since the topics covered are of special importance for the JLAB 12 GeV experimental program and a future Electron Ion Collider (EIC).

This Workshop was the fifth in the series since the first in 2011, and attracted 63 registered participants. The Organizing Committee thanks the speakers and all those who participated at the conference for the stimulating atmosphere that prevailed. We trust the written versions of the talks presented in the Proceedings of Science (PoS) will capture the exciting physics topics covered at the workshop.

Thanks are also due to the people who worked hard to organize the conference and make it a success. Help from the Staff Services of Jefferson Lab was indispensable. We would like to express our special thanks to, Cynthia Lockwood, Stephanie Vermeire, Lorelei Chopard, and Mary Fox for all their efforts before, during and since the conference. We would also like to express our sincere appreciation to Dr. Keith Hillkirk, Chancellor of Penn State University Berks, for support from the Penn State Berks Undesignated Gift Fund.

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31 December 2015

Organizing Committee:

Alexei Prokudin (JLab), co-chair

Zhongbo Kang (LANL), co-chair

Anatoly Radyushkin (ODU/JLab), co-chair

Ian Balitsky (ODU/JLab)

Leonard Gamberg (Penn State University)

Ivan Vitev (LANL)

Harut Avakian (JLab)

Andrey Tarasov (JLab)



Figure 1: QCD Evolution 2015 Participants



Figure 2: Mont, Bob, Cedric



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Figure 3: Piet, Harut, Stan



Figure 4: Leonard & Stan, Wally, Christian

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Figure 5: Alexey, Vladimir, Anatoly

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Figure 6: Christian, Ian, Vladimir, Bakur, Daniel

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Figure 7: Akio, Daniele, Asmita

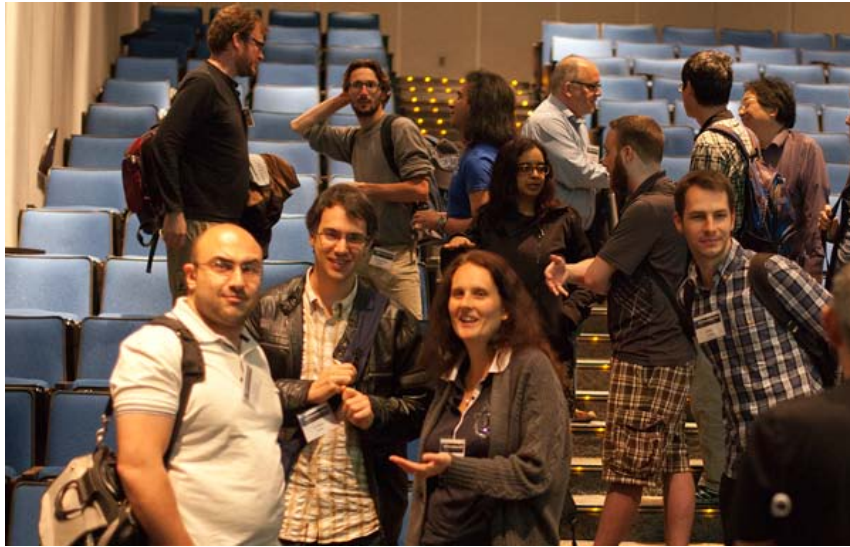


Figure 8: Elena & friends, Piet & friends, Cristian, Daniele

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Figure 9: Felix, Peter, Andrey



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Figure 10: Zein-Eddine, Gary, Tom



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Figure 11: Zein-Eddine, Michael, Costas, Cristian, Daniel, Stefano, Peng, Zhongbo, Asmita, Gary



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Figure 12: Simonetta, Andreas, Marc



Figure 13: Duff, Daniel, Cristian

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Figure 14: Zhongbo, Zhongbo, Miguel, Cristian, Stan, Sean, Elena, Duff



Figure 15: Carlos, Jianwei, Ted

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Figure 16: Andrew, Elena, Stan



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Figure 17: Matt, Peter, Yuri, Jose



Figure 18: Ian, Andrey, Miguel, Marco, Daniel, Gary

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Figure 19: Mike& Piet, Matthias, Marco, Felix, Cristian, Miguel, Marco, Daniel, Stefano

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Figure 20: Matthias, Douglas, Alexei



Figure 21: Elena, Marco, Alexey

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Figure 22: Ivan, Zhongbo, Ahmad, Cedric, Ivan, Daniel

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Figure 23: Sean, Abha, Ling-Yun

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