SURGE Collaboration Meeting and Workshop

Report of Contributions

Contribution ID: **1**
Type: **not specified**

Opening / Introduction to SURGE

Wednesday, 28 June 2023 09:05 (20 minutes)

Presenter: Dr SCHENKE, Bjoern (BNL)

Session Classification: Introduction and WG presentations

Contribution ID: **2**   Type: **not specified**

Overview of Initial State WG

Wednesday, 28 June 2023 09:25 (25 minutes)

Presenter: SKOKOV, Vladimir (North Caroline State University / RBRC)

Session Classification: Introduction and WG presentations

Contribution ID: **3**
Type: **not specified**

Overview of Small x+NLO WG

Wednesday, 28 June 2023 09:50 (25 minutes)

Presenter: KANG, Zhongbo (UCLA)

Session Classification: Introduction and WG presentations

Contribution ID: 4 Type: **not specified**

Overview of Spin WG

Wednesday, 28 June 2023 10:45 (25 minutes)

Presenter: SIEVERT, Matthew (New Mexico State University)

Session Classification: Introduction and WG presentations

Contribution ID: **5** Type: **not specified**

Overview of Final State WG (remote)

Wednesday, 28 June 2023 11:10 (25 minutes)

Presenter: WANG, Xin-Nian (Lawrence Berkeley National Laboratory)

Session Classification: Introduction and WG presentations

Contribution ID: **6**   Type: **not specified**

Overview of Global Analysis WG

Wednesday, 28 June 2023 11:35 (25 minutes)

Presenter: OLNESS, Fredrick (SMU)

Session Classification: Introduction and WG presentations

Contribution ID: **7**
Type: **not specified**

Saturation at RHIC

Wednesday, 28 June 2023 13:30 (25 minutes)

Presenter: CHU, Xiaoxuan (BNL)

Session Classification: Talks

Contribution ID: **8**   Type: **not specified**

Di-hadron correlation in forward pA collisions at RHIC: how to correctly interpret the results?

Wednesday, 28 June 2023 13:55 (25 minutes)

Presenter: YUAN, Feng (Lawrence Berkeley National Laboratory)

Session Classification: Talks

Contribution ID: **9**   Type: **not specified**

Anomaly zero modes and sub-eikonal corrections at small-x

Wednesday, 28 June 2023 14:20 (20 minutes)

Presenter: TARASOV, Andrey (North Carolina State University)

Session Classification: Talks

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Contribution ID: **10** Type: **not specified**

Physics of the ALICE Forward Calorimeter Upgrade (remote)

Wednesday, 28 June 2023 15:30 (25 minutes)

Presenter: JACOBS, Peter (Lawrence Berkeley National Laboratory)

Session Classification: Talks

Contribution ID: **11** Type: **not specified**

Color Neutralization and Initial Conditions (remote)

Wednesday, 28 June 2023 14:40 (20 minutes)

Presenter: DUAN, Haowu (North Carolina State University)

Session Classification: Talks

Contribution ID: **12**
Type: **not specified**

Rapidity-only TMD factorization

Wednesday, 28 June 2023 16:15 (20 minutes)

Presenter: BALITSKY, Ian (JLab/ODU)

Session Classification: Talks

Contribution ID: **13**   Type: **not specified**

Saturation in UPC

Thursday, 29 June 2023 09:00 (25 minutes)

Presenter: TU, Zhoudunming (BNL)

Session Classification: Talks

Contribution ID: **14**   Type: **not specified**

Initial conditions for small-x evolution of the dipole scattering amplitude on a proton

Thursday, 29 June 2023 09:25 (20 minutes)

Presenter: DUMITRU, Adrian (Dept. of Natural Sciences, Baruch College (CUNY))

Session Classification: Talks

Contribution ID: **15** Type: **not specified**

Asymptotic detector operators in weakly-coupled field theories

Thursday, 29 June 2023 09:45 (25 minutes)

Presenter: CARON-HUOT, Simon (McGill University)

Session Classification: Talks

Contribution ID: **16**   Type: **not specified**

Rethinking running coupling in JIMWLK

Thursday, 29 June 2023 10:40 (20 minutes)

Presenter: SKOKOV, Vladimir (North Caroline State University / RBRC)

Session Classification: Talks

Contribution ID: **17**
Type: **not specified**

Resummation of the impact factors

Thursday, 29 June 2023 11:00 (20 minutes)

Presenter: STASTO, Anna (Penn State University)

Session Classification: Talks

Contribution ID: **18**

Type: **not specified**

Elucidating the correspondence between CGC and Generalized High-Twist formalisms of QCD matter

Friday, 30 June 2023 10:40 (20 minutes)

Presenter: SALAZAR, Farid (UCLA/UCB/LBNL)

Session Classification: Talks

Contribution ID: **19**   Type: **not specified**

Global analysis of polarized DIS + SIDIS at small x

Thursday, 29 June 2023 11:40 (20 minutes)

Presenter: ADAMIAK, Daniel

Session Classification: Talks

Contribution ID: **20**
Type: **not specified**

Disambiguation of bimodal solutions for g_1(x)

Thursday, 29 June 2023 13:50 (20 minutes)

Presenter: BALDONADO, Nicholas

Session Classification: Talks

Contribution ID: **21**   Type: **not specified**

Status report on particle production in polarized p+p (remote)

Thursday, 29 June 2023 13:30 (20 minutes)

Presenter: LI, Ming (North Carolina State University)

Session Classification: Talks

Contribution ID: **22**
Type: **not specified**

Updates on OAM at small x (remote)

Thursday, 29 June 2023 14:10 (20 minutes)

Presenter: MANLEY, Brandon (Ohio State University)

Session Classification: Talks

Contribution ID: **23**   Type: **not specified**

Analytic solution of the large-Nc helicity evolution

Friday, 30 June 2023 14:15 (20 minutes)

Presenter: BORDEN, Jeremy (Ohio State University)

Session Classification: Talks

Contribution ID: **24**   Type: **not specified**

Probing Non-Linear QCD effects at EIC

Friday, 30 June 2023 09:00 (25 minutes)

Presenter: ASCHENAUER, E. C. (BNL)

Session Classification: Talks

Contribution ID: **25** Type: **not specified**

EPIC Monte Carlo

Friday, 30 June 2023 09:25 (25 minutes)

Presenter: TEZGIN, Kemal (Brookhaven National Lab)

Session Classification: Talks

Contribution ID: **26** Type: **not specified**

SMASH

Friday, 30 June 2023 09:50 (20 minutes)

Presenter: SALINAS, Jordi

Session Classification: Talks

Contribution ID: **27**   Type: **not specified**

Exploring quantum corrections to the initial condition for high energy evolution

Thursday, 29 June 2023 11:20 (20 minutes)

Presenter: MEHTAR-TANI, Yacine (Brookhaven National Laboratory)

Session Classification: Talks

Contribution ID: **28** Type: **not specified**

eHIJING update (remote)

Friday, 30 June 2023 11:00 (20 minutes)

Presenters: KE, Weiyao (Los Alamos National Laboratory); KE, Weiyao (Duke University); KE, Weiyao (Los Alamos National Laboratory)

Session Classification: Talks

Contribution ID: **29** Type: **not specified**

Extractions of TMD distributions

Friday, 30 June 2023 11:20 (20 minutes)

Presenter: BERTONE, Valerio (member@cern.ch)

Session Classification: Talks

Contribution ID: **30** Type: **not specified**

Chiral and trace anomalies in DVCS

Friday, 30 June 2023 13:55 (20 minutes)

Presenter: HATTA, Yoshitaka (BNL)

Session Classification: Talks

Contribution ID: **31** Type: **not specified**

Gluon saturation search at Bjorken-x < 10^-4 at LHC (remote)

Friday, 30 June 2023 13:30 (25 minutes)

Presenter: DA SILVA, Cesar (Los Alamos National Lab)

Session Classification: Talks

Contribution ID: **32**   Type: **not specified**

Precision calculations for the EIC: Next to Leading Order corrections to single, double and total cross sections in DIS at small x (remote)

Wednesday, 28 June 2023 15:55 (20 minutes)

Presenter: JALILIAN-MARIAN, Jamal (Baruch College, City University of New York)

Session Classification: Talks

Contribution ID: **33** Type: **not specified**

Searching for saturation signals in UPCs

Friday, 30 June 2023 11:40 (20 minutes)

Presenter: SUN, Huachen (The Ohio State University)

Session Classification: Talks

Contribution ID: **34**   Type: **not specified**

NLO corrections to back-to-back dijet electroproduction at small x

Wednesday, 28 June 2023 16:35 (20 minutes)

Presenter: STEBEL, Tomasz (Jagiellonian University)

Session Classification: Talks

Contribution ID: **36** Type: **not specified**

Welcome

Wednesday, 28 June 2023 09:00 (5 minutes)

Presenter: MA, Hong (BNL)

Session Classification: Introduction and WG presentations

Contribution ID: **37**   Type: **not specified**

Closing

Friday, 30 June 2023 14:35 (10 minutes)

Session Classification: Closing