



# SURGE Collaboration Meeting and Workshop

## Wednesday, 28 June 2023

### Talks - Physics Department (Bldg. 510), Large Seminar Room (13:30 - 15:00)

-Conveners: Adrian Dumitru

time	[id] title	presenter
13:30	[7] Saturation at RHIC	CHU, Xiaoxuan
13:55	[8] Di-hadron correlation in forward pA collisions at RHIC: how to correctly interpret the results?	YUAN, Feng
14:20	[9] Anomaly zero modes and sub-eikonal corrections at small-x	TARASOV, Andrey
14:40	[11] Color Neutralization and Initial Conditions (remote)	DUAN, Haowu

### Talks - Physics Department (Bldg. 510), Large Seminar Room (15:30 - 16:55)

-Conveners: Zhongbo Kang

time	[id] title	presenter
15:30	[10] Physics of the ALICE Forward Calorimeter Upgrade (remote)	JACOBS, Peter
15:55	[32] Precision calculations for the EIC: Next to Leading Order corrections to single, double and total cross sections in DIS at small x (remote)	JALILIAN-MARIAN, Jamal
16:15	[12] Rapidity-only TMD factorization	BALITSKY, Ian
16:35	[34] NLO corrections to back-to-back dijet electroproduction at small x	STEBEL, Tomasz

# Thursday, 29 June 2023

## Talks - Physics Department (Bldg. 510), Large Seminar Room (09:00 - 10:10)

-Conveners: Raju Venugopalan

time	[id] title	presenter
09:00	[13] Saturation in UPC	TU, Zhoudunming
09:25	[14] Initial conditions for small-x evolution of the dipole scattering amplitude on a proton	DUMITRU, Adrian
09:45	[15] Asymptotic detector operators in weakly-coupled field theories	CARON-HUOT, Simon

## Talks - Physics Department (Bldg. 510), Large Seminar Room (10:40 - 12:00)

-Conveners: Bjoern Schenke

time	[id] title	presenter
10:40	[16] Rethinking running coupling in JIMWLK	SKOKOV, Vladimir
11:00	[17] Resummation of the impact factors	STASTO, Anna
11:20	[27] Exploring quantum corrections to the initial condition for high energy evolution	MEHTAR-TANI, Yacine
11:40	[19] Global analysis of polarized DIS + SIDIS at small x	ADAMIAK, Daniel

## Talks - Physics Department (Bldg. 510), Large Seminar Room (13:30 - 14:30)

-Conveners: Yoshitaka Hatta

time	[id] title	presenter
13:30	[21] Status report on particle production in polarized p+p (remote)	LI, Ming
13:50	[20] Disambiguation of bimodal solutions for $g_1(x)$	BALDONADO, Nicholas
14:10	[22] Updates on OAM at small x (remote)	MANLEY, Brandon

# Friday, 30 June 2023

## Talks - Physics Department (Bldg. 510), Large Seminar Room (09:00 - 10:10)

-Conveners: Vladimir Skokov

time	[id] title	presenter
09:00	[24] Probing Non-Linear QCD effects at EIC	ASCHENAUER, E. C.
09:25	[25] EPIC Monte Carlo	TEZGIN, Kemal
09:50	[26] SMASH	SALINAS, Jordi

## Talks - Physics Department (Bldg. 510), Large Seminar Room (10:40 - 12:00)

-Conveners: Fredrick Olness

time	[id] title	presenter
10:40	[18] Elucidating the correspondence between CGC and Generalized High-Twist formalisms of QCD matter	SALAZAR, Farid
11:00	[28] eHIJING update (remote)	KE, Weiyao KE, Weiyao KE, Weiyao
11:20	[29] Extractions of TMD distributions	BERTONE, Valerio
11:40	[33] Searching for saturation signals in UPCs	SUN, Huachen

## Talks - Physics Department (Bldg. 510), Large Seminar Room (13:30 - 14:35)

-Conveners: Matthew Sievert

time	[id] title	presenter
13:30	[31] Gluon saturation search at Bjorken- $x < 10^{-4}$ at LHC (remote)	DA SILVA, Cesar
13:55	[30] Chiral and trace anomalies in DVCS	HATTA, Yoshitaka
14:15	[23] Analytic solution of the large- $N_c$ helicity evolution	BORDEN, Jeremy