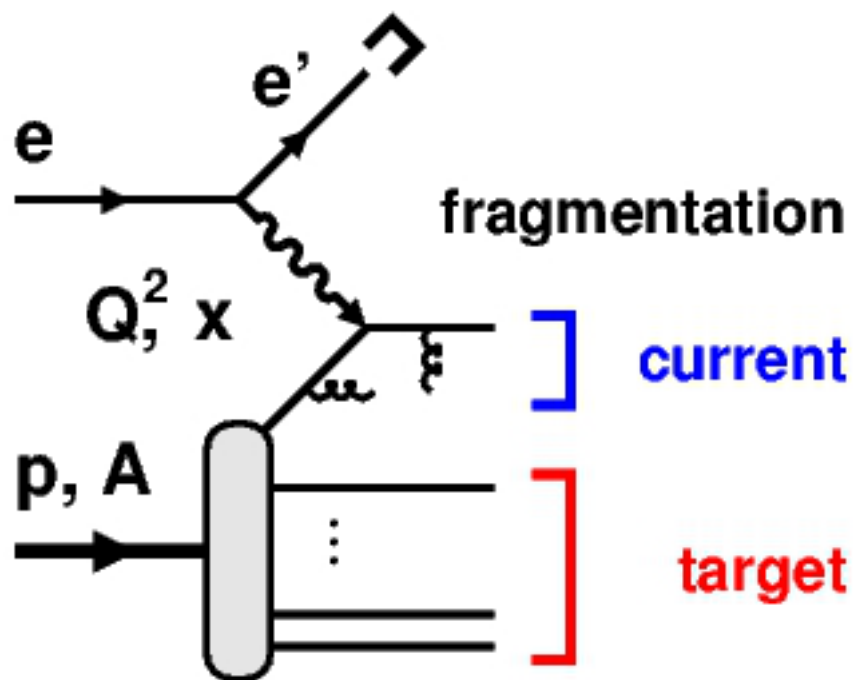


CFNS Adhoc Workshop: Target Fragmentation Physics with EIC



Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction and plan of workshop

Monday, 28 September 2020 09:30 (20 minutes)

Presenter: ORGANIZERS

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 2

Type: **not specified**

HERA target fragmentation data review

Monday, 28 September 2020 09:50 (30 minutes)

Presenter: SCHMIDKE, William (BNL)

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 3

Type: **not specified**

HERA database introduction

Monday, 28 September 2020 10:20 (20 minutes)

Presenter: GEISER, Achim

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 4

Type: **not specified**

Discussion

Monday, 28 September 2020 10:40 (20 minutes)

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 5

Type: **not specified**

Fracture function analysis of HERA data

Monday, 28 September 2020 11:00 (30 minutes)

Presenter: CECCOPIERI, Federico

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 6

Type: **not specified**

Diffraction as a special case of target fragmentation

Monday, 28 September 2020 11:30 (30 minutes)

Presenter: GUZEY, Vadim (Petersburg Nuclear Physics Institute)

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 7

Type: **not specified**

Discussion: Simulation tools, collaboration, next steps

Monday, 28 September 2020 12:00 (20 minutes)

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 8

Type: **not specified**

Open questions in nucleon fragmentation

Monday, 28 September 2020 13:00 (30 minutes)

Presenter: STRIKMAN, Mark

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: 9

Type: **not specified**

Discussion: Simulation tools, collaboration, next steps

Monday, 28 September 2020 14:00 (1h 30m)

Questions in nucleon fragmentation: Observables, dynamics

Target fragmentation studies with archived HERA data

Diffraction and target fragmentation with EIC

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data

Contribution ID: **10**

Type: **not specified**

Open questions in QCD description of DIS final states

Tuesday, 29 September 2020 09:30 (40 minutes)

Presenter: TED ROGERS / ALEXEI PROKUDIN

Session Classification: Nucleon fragmentation II: Spin/ flavor, correlations, models, fixed-target experiments, EIC

Contribution ID: 11

Type: **not specified**

Introduction to target fragmentation: Kinematics, factorization, structures

Tuesday, 29 September 2020 10:10 (30 minutes)

Presenter: WEISS, Christian (Jefferson Lab)

Session Classification: Nucleon fragmentation II: Spin/ flavor, correlations, models, fixed-target experiments, EIC

Contribution ID: 12

Type: **not specified**

Discussion

Tuesday, 29 September 2020 10:40 (30 minutes)

Session Classification: Nucleon fragmentation II: Spin/ flavor, correlations, models, fixed-target experiments, EIC

Contribution ID: 13

Type: **not specified**

Target fragmentation in fixed-target experiments

Tuesday, 29 September 2020 11:10 (30 minutes)

Presenter: AVAGYAN, Harut (JLab)

Session Classification: Nucleon fragmentation II: Spin/ flavor, correlations, models, fixed-target experiments, EIC

Contribution ID: 14

Type: **not specified**

EIC detector capabilities for target fragmentation

Presenter: ORGANIZERS / ALEXANDER KISELEV

Session Classification: Nucleon fragmentation II: Spin/ flavor, correlations, models, fixed-target experiments, EIC

Contribution ID: 15

Type: **not specified**

Discussion

Tuesday, 29 September 2020 11:40 (1h 20m)

Session Classification: Nucleon fragmentation II: Spin/ flavor, correlations, models, fixed-target experiments, EIC

Contribution ID: 16

Type: **not specified**

Probing parton correlations with current and target fragmentation

Tuesday, 29 September 2020 13:30 (30 minutes)

Presenter: SCHWEITZER, Peter

Session Classification: Nucleon fragmentation II: Spin/ flavor, correlations, models, fixed-target experiments, EIC

Contribution ID: 17

Type: **not specified**

Intrinsic strangeness at large x

Tuesday, 29 September 2020 14:00 (30 minutes)

Presenter: PENG, Jen-Chieh (University of Illinois)

Session Classification: Nucleon fragmentation II: Spin/flip, correlations, models, fixed-target experiments, EIC

Contribution ID: **18**

Type: **not specified**

Discussion

Tuesday, 29 September 2020 14:30 (1h 30m)

Spin/flip and correlations in target fragmentation
Target fragmentation measurements with EIC

Session Classification: Nucleon fragmentation II: Spin/flip, correlations, models, fixed-target experiments, EIC

Contribution ID: **19**

Type: **not specified**

Introduction and plan of session

Wednesday, 30 September 2020 09:30 (10 minutes)

Presenter: ORGANIZERS

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 20

Type: **not specified**

EIC forward detector for nuclear breakup

Wednesday, 30 September 2020 10:10 (30 minutes)

Presenter: JENTSCH, Alexander (Brookhaven National Lab)

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 21

Type: **not specified**

Hadron formation in nuclei

Wednesday, 30 September 2020 11:30 (30 minutes)

Presenter: GUIOT, Benjamin

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 22

Type: **not specified**

Discussion

Wednesday, 30 September 2020 10:40 (20 minutes)

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 23

Type: **not specified**

FLUKA cascade model

Wednesday, 30 September 2020 11:00 (30 minutes)

Presenter: ALFREDO FERRARI

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 24

Type: **not specified**

BeAGLE generator for nuclear breakup

Wednesday, 30 September 2020 09:40 (30 minutes)

Presenter: CHANG, Wan (Center China Normal University)

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 25

Type: **not specified**

Discussion

Wednesday, 30 September 2020 12:00 (20 minutes)

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 26

Type: **not specified**

Nuclear final-state interactions in eA and other processes

Wednesday, 30 September 2020 13:00 (30 minutes)

Presenter: MOSEL, Ulrich

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 27

Type: **not specified**

Nuclear cascade in low-energy nuclear breakup

Wednesday, 30 September 2020 13:30 (30 minutes)

Presenter: LARIONOV, Alexei

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 28

Type: **not specified**

Discussion

Wednesday, 30 September 2020 14:00 (1h 30m)

Session Classification: Target fragmentation in nuclear DIS: Final-state interactions, nuclear breakup, EIC measurements

Contribution ID: 29

Type: **not specified**

Nucleon fragmentation studies in ultraperipheral pA collisions

Monday, 28 September 2020 13:30 (30 minutes)

Presenter: TAPIA TAKAKI, Daniel (University of Kansas)

Session Classification: Nucleon fragmentation I: Theory, dynamics, open questions, HERA data