

California EIC Consortium Collaboration Meeting

Report of Contributions

Contribution ID: 5

Type: **not specified**

Understanding Jet Charge

I discuss simple scaling arguments that largely describe the behavior of the jet charge observable as a function of particle multiplicity for inclusive jet samples and for discrimination of up versus down quark jets.

Primary authors: LARKOSKI, Andrew (UCLA); KANG, Zhongbo (UCLA)

Presenter: LARKOSKI, Andrew (UCLA)

Contribution ID: 6

Type: **not specified**

Welcome & Logistics

Friday, 27 January 2023 12:00 (10 minutes)

Presenters: HUANG, Huan (UCLA); KANG, Zhongbo (UCLA)

Session Classification: Friday session 1

Contribution ID: 7

Type: **not specified**

Consortium accomplishments in 2022 & UCB/LBNL overview

Friday, 27 January 2023 12:10 (35 minutes)

Presenter: JACAK, Barbara (UC Berkeley and LBNL)

Session Classification: Friday session 1

Contribution ID: **8**

Type: **not specified**

LBL overview

Presenter: SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory)

Session Classification: Friday session 1

Contribution ID: 9

Type: **not specified**

UCD overview

Friday, 27 January 2023 12:45 (20 minutes)

Presenter: CEBRA, Daniel (University of California, Davis)

Session Classification: Friday session 1

Contribution ID: **10**

Type: **not specified**

UCLA experiment overview

Friday, 27 January 2023 13:20 (15 minutes)

Presenters: HUANG, Huan (UCLA); TSAI, oleg (ucla)

Session Classification: Friday session 1

Contribution ID: 11

Type: **not specified**

UCLA theory overview

Friday, 27 January 2023 13:05 (15 minutes)

Presenter: KANG, Zhongbo (UCLA)

Session Classification: Friday session 1

Contribution ID: 12

Type: **not specified**

UCR overview

Friday, 27 January 2023 13:35 (20 minutes)

Presenter: ARRATIA, Miguel (University of California, Riverside)

Session Classification: Friday session 1

Contribution ID: 13

Type: **not specified**

regarding DOE RENEW FOA

Friday, 27 January 2023 14:25 (20 minutes)

Please check DOE FOA here: <https://science.osti.gov/Initiatives/RENEW>, and then click “Nuclear Physics”

Presenters: SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); ARRATIA, Miguel (University of California, Riverside); SOLTZ, Ron (LLNL); KANG, Zhongbo (UCLA)

Session Classification: Friday session 2

Contribution ID: 14

Type: **not specified**

LANL overview

Friday, 27 January 2023 14:45 (20 minutes)

Presenter: LI, Xuan (Los Alamos National Laboratory)

Session Classification: Friday session 2

Contribution ID: 15

Type: **not specified**

LLNL overview

Friday, 27 January 2023 15:05 (20 minutes)

Presenter: SOLTZ, Ron (LLNL)

Session Classification: Friday session 2

Contribution ID: 16

Type: **not specified**

R&D (generic, eRD111, eRD113)

Friday, 27 January 2023 15:25 (20 minutes)

Presenter: APADULA, Nicole

Session Classification: Friday session 2

Contribution ID: 17

Type: **not specified**

Air Cooling Studies for the EIC Silicon Tracker

Friday, 27 January 2023 15:45 (20 minutes)

Presenters: LIANG-GILMAN, Beatrice (member@berkeley.edu;student@berkeley.edu;faculty@berkeley.edu;employee@b
Beatrice (Guest@lbl.gov;Other@lbl.gov)

Session Classification: Friday session 2

Contribution ID: **18**

Type: **not specified**

Track finding summary

Friday, 27 January 2023 16:05 (20 minutes)

Presenter: LAI, Yue Shi (UC Berkeley)

Session Classification: Friday session 2

Contribution ID: 19

Type: **not specified**

Overview of ePIC backgrounds

Friday, 27 January 2023 16:25 (20 minutes)

Presenter: CRUZ-TORRES, Reynier (Lawrence Berkeley National Lab)

Session Classification: Friday session 2

Contribution ID: **20**

Type: **not specified**

Synchrotron radiation background

Friday, 27 January 2023 16:45 (20 minutes)

Presenter: STERWERF, Benjamen (UC Berkeley)

Session Classification: Friday session 2

Contribution ID: 21

Type: **not specified**

Temperature measurements of cooling foam apparatus

Friday, 27 January 2023 17:05 (20 minutes)

Presenter: LABONTE, Mathias (UC Davis)

Session Classification: Friday session 2

Contribution ID: 22

Type: **not specified**

Summary of calorimeter insert design and performance

Saturday, 28 January 2023 09:00 (20 minutes)

Presenter: MILTON, Ryan (UCLA)

Session Classification: Saturday Morning 1

Contribution ID: 23

Type: **not specified**

Construction of the first prototype of the calorimeter insert

Saturday, 28 January 2023 09:20 (15 minutes)

Presenter: CARNEY, Peter (UC Riverside)

Session Classification: Saturday Morning 1

Contribution ID: 24

Type: **not specified**

Milling plastic scintillator cells for the calorimeter insert

Saturday, 28 January 2023 09:35 (10 minutes)

Presenter: BAGBY, Bruce (UC Riverside)

Session Classification: Saturday Morning 1

Contribution ID: 25

Type: **not specified**

Characterization of scintillator cells for the calorimeter insert

Saturday, 28 January 2023 09:45 (10 minutes)

Presenter: RODRIGUEZ, Miguel (UCR)

Session Classification: Saturday Morning 1

Contribution ID: 26

Type: **not specified**

Strontium-90 scanner for calorimeter insert cell-uniformity tests

Saturday, 28 January 2023 09:55 (10 minutes)

Presenter: KULKARNI , Samir Anup (UC Riverside)

Session Classification: Saturday Morning 1

Contribution ID: 27

Type: **not specified**

Readout for calorimeter insert prototype and studies with cosmic rays

Saturday, 28 January 2023 10:05 (10 minutes)

Presenter: HUANG, JiaJun (Student@ucr.edu)

Session Classification: Saturday Morning 1

Contribution ID: **28**

Type: **not specified**

Simulations for calorimeter insert beamtest (remote)

Saturday, 28 January 2023 10:15 (10 minutes)

Presenters: LIANG, Xilin (University of California, Riverside); LIANG, Xilin (University of California, Riverside)

Session Classification: Saturday Morning 1

Contribution ID: 29

Type: **not specified**

Results of first test beam of calorimeter insert at JLab

Saturday, 28 January 2023 10:45 (15 minutes)

Presenters: PREINS, Sean (University of California, Riverside); PREINS, Sean (Student@ucr.edu)

Session Classification: Saturday Morning 2

Contribution ID: **30**

Type: **not specified**

AI performance with high-granularity calorimeter insert

Saturday, 28 January 2023 11:00 (15 minutes)

Presenter: KARKI, Bishnu (University of California, Riverside)

Session Classification: Saturday Morning 2

Contribution ID: 31

Type: **not specified**

SiPM radiation studies for calorimeter insert: plans and simulations

Saturday, 28 January 2023 11:15 (15 minutes)

Presenter: SCHMOOKLER, Barak (UC Riverside)

Session Classification: Saturday Morning 2

Contribution ID: 32

Type: **not specified**

Status of scattered electron reconstruction in ePIC

Saturday, 28 January 2023 11:30 (20 minutes)

Presenter: SCHMOOKLER, Barak (UC Riverside)

Session Classification: Saturday Morning 2

Contribution ID: 33

Type: **not specified**

EPIC pECal implementations

Saturday, 28 January 2023 11:50 (20 minutes)

Presenter: JI, Zhongling (UCLA)

Session Classification: Saturday Morning 2

Contribution ID: 34

Type: **not specified**

Coherent and incoherent photoproduction (remote)

Saturday, 28 January 2023 13:10 (20 minutes)

Presenter: KLEIN, Spencer (LBNL)

Session Classification: Saturday Afternoon 1

Contribution ID: 35

Type: **not specified**

Modeling Backward-Angle Compton Scattering at the EIC

Saturday, 28 January 2023 13:30 (20 minutes)

Presenter: SWEGER, Zachary (University of California, Davis)

Session Classification: Saturday Afternoon 1

Contribution ID: **36**

Type: **not specified**

Energy-energy correlators at EIC

Saturday, 28 January 2023 13:50 (20 minutes)

Presenter: DEVEREAUX, Kyle (Lawrence Berkeley National Laboratory)

Session Classification: Saturday Afternoon 1

Contribution ID: 37

Type: **not specified**

Heavy flavor physics

Saturday, 28 January 2023 14:10 (20 minutes)

Presenter: FAN, Wenqing (Lawrence Berkeley National Laboratory)

Session Classification: Saturday Afternoon 1

Contribution ID: **38**

Type: **not specified**

Neutrino-jet correlations at the EIC (remote)

Saturday, 28 January 2023 12:50 (20 minutes)

Presenter: PAUL, Sebouh (UC Riverside)

Session Classification: Saturday Afternoon 1

Contribution ID: 39

Type: **not specified**

Understanding Jet Charge

Saturday, 28 January 2023 15:00 (20 minutes)

Presenter: LARKOSKI, Andrew (UCLA)

Session Classification: Saturday Afternoon 2

Contribution ID: 40

Type: **not specified**

Small-x Gluon Weizsäcker-Williams distribution at NLO

Saturday, 28 January 2023 15:20 (15 minutes)

Presenters: SALAZAR, Farid (UCLA/UCB/LBNL); SALAZAR, Farid (UCLA/UCB/LBNL)

Session Classification: Saturday Afternoon 2

Contribution ID: 41

Type: **not specified**

Collins-type Energy-Energy Correlators and Nucleon Structures

Saturday, 28 January 2023 15:35 (15 minutes)

Presenter: ZHAO, Fanyi (University of California, Los Angeles)

Session Classification: Saturday Afternoon 2

Contribution ID: 42

Type: **not specified**

Jet anisotropy in polarized scattering

Saturday, 28 January 2023 15:50 (15 minutes)

Presenter: ZHOU, YIYU (South China Normal University)

Session Classification: Saturday Afternoon 2

Contribution ID: 43

Type: **not specified**

Summary, Adjourn

Saturday, 28 January 2023 16:05 (5 minutes)

Presenters: JACAK, Barbara (UC Berkeley and LBNL); HUANG, Huan (UCLA); KANG, Zhongbo (UCLA)

Contribution ID: 44

Type: **not specified**

Adjourn

Friday, 27 January 2023 17:25 (1 minute)

Presenter: HUANG, Huan (UCLA)