

# 4th EIC Yellow Report Workshop at LBL



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Welcome and workshop plan (15+5)

*Thursday, 19 November 2020 11:00 (20 minutes)*

**Presenters:** JACAK, Barbara (UC Berkeley and Lawrence Berkeley National Laboratory); SURROW, Bernd (Temple University); ARRINGTON, John (Lawrence Berkeley National Laboratory)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 2

Type: **not specified**

## **PWG physics requirements (10+5 each)**

Overview presentation plus talks by the 5 physics subgroups

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 3

Type: **not specified**

## **CDR Reference Detector (18+7)**

*Thursday, 19 November 2020 13:10 (25 minutes)*

**Presenter:** ENT, Rolf (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 4

Type: **not specified**

## **Project Status (18+7)**

*Thursday, 19 November 2020 13:35 (25 minutes)*

**Presenter:** YECK, James (University of Wisconsin-Madison and Brookhaven National Laboratory)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 5

Type: **not specified**

## **Boundary conditions on IR / Detector (20+5)**

*Thursday, 19 November 2020 15:00 (25 minutes)*

**Presenter:** KISELEV, Alexander (BNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 6

Type: **not specified**

## **Detector Matrix/Updates - Barrel PID (20+15)**

*Thursday, 19 November 2020 16:00 (35 minutes)*

**Presenter:** DALLA TORRE, Silvia (INFN, Trieste)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 7

Type: **not specified**

## **Detector Matrix/Updates - Tracking (20+15)**

*Thursday, 19 November 2020 17:30 (35 minutes)*

**Presenter:** ELIA, Domenico (INFN Bari)

**Session Classification:** 4th EIC Yellow Report Workshop



Contribution ID: 8

Type: **not specified**

## **Detector Matrix/Updates - Forward HCAL resolution (20+15)**

*Thursday, 19 November 2020 16:55 (35 minutes)*

**Presenter:** HORN, Tanja (Cath)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 9

Type: **not specified**

## **Detector Matrix/Updates - Forward region (20+15)**

*Thursday, 19 November 2020 15:25 (35 minutes)*

**Presenter:** MURRAY, Michael (The University of Kansas (US))

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: **10**

Type: **not specified**

## **Yellow Report status/overview (15+10)**

*Friday, 20 November 2020 11:00 (25 minutes)*

**Presenter:** SURROW, Bernd (Temple University)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: **11**

Type: **not specified**

## **Accelerator/IR overview (15+5)**

*Friday, 20 November 2020 11:25 (20 minutes)*

**Presenter:** DREES, Angelika (Collider-Accelerator)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 12

Type: **not specified**

## **Discussion of YR content: Tracking (15+5)**

*Friday, 20 November 2020 11:45 (20 minutes)*

**Presenter:** GREINER, Leo (LBNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 13

Type: **not specified**

## **Discussion of YR content: Calorimetry (15+5)**

*Friday, 20 November 2020 12:05 (20 minutes)*

**Presenter:** BAZILEVSKY, Alexander (BNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 14

Type: **not specified**

## **Discussion of YR content: PID (15+5)**

*Friday, 20 November 2020 12:40 (20 minutes)*

**Presenter:** HEMMICK, Thomas (Stony Brook University)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 15

Type: **not specified**

## **Discussion of YR content: Magnetic field strength, magnet bore (15+5)**

*Friday, 20 November 2020 13:00 (20 minutes)*

**Presenters:** Dr ASCHENAUER, E. C. (BNL); Dr RAJPUT-GHOSHAL, Renuka (JLab); ENT, Rolf (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop



Contribution ID: 16

Type: **not specified**

## **Discussion of YR content: Readout and DAQ (15+5)**

*Friday, 20 November 2020 13:40 (20 minutes)*

**Presenters:** CELENTANO, Andrea (INFN-Genova); NEYRET, Damien (CEA Saclay IRFU/DPhN)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 17

Type: **not specified**

## **Discussion of YR content: Software (15+5)**

*Friday, 20 November 2020 14:00 (20 minutes)*

**Presenter:** Dr DIEFENTHALER, Markus (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: **18**

Type: **not specified**

## **Yellow Report Content - section 7.1 (physics) (15+5 each)**

Talk 1; 4 short talks, 15'+5' each

**Presenters:** VITEV, Ivan (LANL); KLEIN, Spencer (LBNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 19

Type: **not specified**

## **Complementarity: 2nd IR design considerations (10+5)**

*Friday, 20 November 2020 17:15 (15 minutes)*

**Presenter:** MOROZOV, Vasiliy (Thomas Jefferson National Accelerator Facility)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 20

Type: **not specified**

## **Complementarity: YR content and discussion (10+20)**

*Friday, 20 November 2020 17:45 (30 minutes)*

**Presenter:** ASCHENAUER, E. C. (BNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 21

Type: **not specified**

## **Detector R&D needs (15+5)**

*Saturday, 21 November 2020 11:00 (20 minutes)*

**Presenter:** ROSSI, Patrizia (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 22

Type: **not specified**

## **Archiving and reproducibility of Yellow Report Studies (20+10)**

*Saturday, 21 November 2020 11:20 (30 minutes)*

**Presenter:** DIEFENTHALER, Markus (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 23

Type: **not specified**

## **Yellow report plans, timeline, discussion (15+15)**

*Saturday, 21 November 2020 11:50 (30 minutes)*

**Presenter:** ULLRICH, Thomas (BNL)

**Session Classification:** 4th EIC Yellow Report Workshop



Contribution ID: 24

Type: **not specified**

## **Yellow Report plans, timeline, discussion - finalize plans**

*Saturday, 21 November 2020 12:40 (20 minutes)*

**Presenter:** ULLRICH, Thomas (BNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 25

Type: **not specified**

## **Expressions of Interest: status, plans (15+5)**

*Saturday, 21 November 2020 13:00 (20 minutes)*

**Presenters:** ASCHENAUER, E. C. (BNL); ENT, Rolf (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 26

Type: **not specified**

## **Discussion: Call for detector proposals (10+10)**

*Saturday, 21 November 2020 13:20 (20 minutes)*

**Presenters:** CHAMIZO, Maria (BNL); ROBERT, McKeown (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 27

Type: **not specified**

## Open discussion

*Saturday, 21 November 2020 13:40 (20 minutes)*

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 28

Type: **not specified**

## **PWG requirements: Inclusive reactions WG (10+5)**

*Thursday, 19 November 2020 11:35 (15 minutes)*

**Presenters:** SCHMOOKLER, Barak (Stony Brook University); FATEMI, Renee (University of Kentucky); SATO, nobuo (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 29

Type: **not specified**

## **PWG requirements: Inclusive reactions WG (10+5)**

*Thursday, 19 November 2020 11:50 (15 minutes)*

**Presenters:** VOSSSEN, Anselm (Duke University); XIAO, Bowen (Central China Normal University); STEVENS, Justin (William & Mary); SEIDL, Ralf (RIKEN); ALEXEY, Vladimirov (Regensburg University)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 30

Type: **not specified**

## **PWG requirements: Jets, Heavy Quarks WG (10+5)**

*Thursday, 19 November 2020 12:05 (15 minutes)*

**Presenters:** PAGE, Brian (Brookhaven National Laboratory); SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); PETRIELLO, Frank (Northwestern University); VITEV, Ivan (LANL); CUN-QUEIRO, Leticia (ORNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 31

Type: **not specified**

## **PWG requirements: Exclusive Reactions WG (10+5)**

*Thursday, 19 November 2020 12:20 (15 minutes)*

**Presenters:** PASQUINI, Barbara (University of Pavia and INFN, Pavia); SOKHAN, Daria; DUPRE, Raphael (IPN Orsay); FAZIO, Salvatore (Brookhaven National Laboratory); LAPPI, Tuomas (University of Jyvaskyla)

**Session Classification:** 4th EIC Yellow Report Workshop



Contribution ID: 32

Type: **not specified**

## **PWG requirements: Diffractive Reactions & Tagging WG (10+5)**

*Thursday, 19 November 2020 12:35 (15 minutes)*

**Presenters:** STASTO, Anna (Penn State University); HIGINBOTHAM, Douglas (Jefferson Lab); HEN, Or (MIT); KLEIN, Spencer (LBNL); COSYN, Wim (FIU)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 33

Type: **not specified**

## **PWG requirements overview (10+5)**

*Thursday, 19 November 2020 11:20 (15 minutes)*

**Presenters:** DUMITRU, Adrian (Dept. of Natural Sciences, Baruch College (CUNY)); METZ, Andreas (Temple University); MUNOZ CAMACHO, Carlos (IJCLab, CNRS/IN2P3); EVDOKIMOV, Olga (UIC)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 34

Type: **not specified**

## **Yellow Report content: section 7.1 (15+5)**

*Friday, 20 November 2020 15:20 (20 minutes)*

**Presenters:** PASQUINI, Barbara (University of Pavia and INFN, Pavia); METZ, Andreas (Temple University)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 35

Type: **not specified**

## **Yellow Report content: section 7.2 (15+5)**

*Friday, 20 November 2020 15:40 (20 minutes)*

**Presenter:** VOSSEN, Anselm (Duke University)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 36

Type: **not specified**

## **Yellow Report content: section 7.3 (15+5)**

*Friday, 20 November 2020 16:00 (20 minutes)*

**Presenter:** KLEIN, Spencer (LBNL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 37

Type: **not specified**

## **Yellow Report content: section 7.4 (15+5)**

*Friday, 20 November 2020 16:20 (20 minutes)*

**Presenter:** VITEV, Ivan (LANL)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 38

Type: **not specified**

## **Complementarity: Optimizing luminosity at lower c.m. energy (10+5)**

*Friday, 20 November 2020 17:00 (15 minutes)*

**Presenter:** ZHANG, Yuhong (Thomas Jefferson National Accelerator Facility)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 39

Type: **not specified**

## **Additional discussion of YR content**

**Session Classification:** 4th EIC Yellow Report Workshop



Contribution ID: 40

Type: **not specified**

## **Complementarity: 2nd IR Workshop (10+5)**

*Friday, 20 November 2020 17:30 (15 minutes)*

**Presenters:** ELOUADRHIRI, Latifa; BURKERT, Volker (Jefferson Lab)

**Session Classification:** 4th EIC Yellow Report Workshop

Contribution ID: 41

Type: **not specified**

## **Discussion of YR content: Far-forward detectors (15+5)**

*Friday, 20 November 2020 13:20 (20 minutes)*

**Presenter:** JENTSCH, Alexander (Brookhaven National Lab)

**Session Classification:** 4th EIC Yellow Report Workshop