

**HEP-IC (High Energy Physics  
– Integrated Circuits)  
Workshop 2022**

**Report of Contributions**

Contribution ID: 8

Type: **not specified**

## Tools and Vendors

Contribution ID: 9

Type: **not specified**

## **Panel Discussion - Future of HEP-IC Workshop**

How to organize this workshop in the future.  
Needs of the community.

Contribution ID: **10**

Type: **not specified**

## **DOE Initiative to Facilitate HEP IC**

Contribution ID: 11

Type: **not specified**

## Panel Discussion - Enabling Collaboration

Discussion of how to overcome barriers to collaboration:

lab-university

lab-lab,

other entities - NASA, etc.

International vs domestic

Contribution ID: 12

Type: **not specified**

# Tools and Vendors

Contribution ID: **13**

Type: **not specified**

## Closeout

Contribution ID: 14

Type: **not specified**

# Tools and Vendors

Contribution ID: 15

Type: **not specified**

## **Collaboration: Fermilab-EPFL Cryo-CMOS**

*Thursday, 19 May 2022 09:00 (20 minutes)*

Modeling and Circuit Design

**Presenter:** CHARBON, Edoardo (EPFL)

**Session Classification:** Roundtable

Contribution ID: 16

Type: **not specified**

## **EPFL-CERN MIP Coincidence Measurement**

*Friday, 20 May 2022 09:00 (20 minutes)*

A recent 7.5ps timing resolution was achieved.

**Presenters:** CHARBON, Edoardo (EPFL); RIPICCINI, Emanuele (EPFL)

**Session Classification:** International Collaboration

Contribution ID: 17

Type: **not specified**

## CERN

*Thursday, 19 May 2022 11:00 (20 minutes)*

**Presenter:** CARATELLI, Alessandro (CERN)

**Session Classification:** International Collaboration

Contribution ID: **18**

Type: **not specified**

## **University of Hawaii**

*Wednesday, 18 May 2022 11:00 (15 minutes)*

**Presenters:** VARNER, Gary (University of Hawaii); VARNER, Gary

**Session Classification:** Current Projects and Near Term Future

Contribution ID: **19**

Type: **not specified**

## **Fermilab**

*Wednesday, 18 May 2022 09:10 (15 minutes)*

**Presenters:** FAHIM, Farah (FERMILAB); HIRSCHAUER, James (Fermi National Accelerator Laboratory)

**Session Classification:** Current Projects and Near Term Future

Contribution ID: **20**

Type: **not specified**

## **SLAC**

*Wednesday, 18 May 2022 09:25 (15 minutes)*

**Presenter:** ROTA, Lorenzo (SLAC)

**Session Classification:** Current Projects and Near Term Future

Contribution ID: 21

Type: **not specified**

**LBL**

*Wednesday, 18 May 2022 09:55 (15 minutes)*

**Presenter:** GRACE, Carl (Lawrence Berkeley National Laboratory)

**Session Classification:** Current Projects and Near Term Future

Contribution ID: 23

Type: **not specified**

## UT Arlington

*Wednesday, 18 May 2022 11:15 (15 minutes)*

**Presenter:** ASAADI, Jonathan (University of Texas at Arlington)

**Session Classification:** Current Projects and Near Term Future

Contribution ID: 24

Type: **not specified**

## **BNL**

*Wednesday, 18 May 2022 09:40 (15 minutes)*

**Presenter:** DEPTUCH, Grzegorz (BNL)

**Session Classification:** Current Projects and Near Term Future

Contribution ID: 25

Type: **not specified**

## Discussion

*Thursday, 19 May 2022 09:40 (50 minutes)*

**Session Classification:** Roundtable

Contribution ID: 26

Type: **not specified**

## **Cryogenic Instrumentation - DUNE Perspective**

*Thursday, 19 May 2022 09:20 (20 minutes)*

**Presenter:** GRACE, Carl (Lawrence Berkeley National Laboratory)

**Session Classification:** Roundtable

Contribution ID: 27

Type: **not specified**

## **Instituto Balseiro - Argentina**

*Wednesday, 18 May 2022 11:45 (15 minutes)*

**Presenter:** ALCALDE BESSIA, Fabricio

**Session Classification:** Current Projects and Near Term Future

Contribution ID: 28

Type: **not specified**

## University of Pennsylvania

*Wednesday, 18 May 2022 11:30 (15 minutes)*

**Presenter:** NEWCOMER, Mitch (U.Penn)

**Session Classification:** Current Projects and Near Term Future

Contribution ID: 29

Type: **not specified**

## **IF7 Summary Talk**

*Thursday, 19 May 2022 11:30 (20 minutes)*

**Presenter:** CARINI, Gabriella (Brookhaven National Laboratory)

**Session Classification:** Roundtable

Contribution ID: **30**

Type: **not specified**

## Discussion

*Thursday, 19 May 2022 11:50 (1h 10m)*

**Session Classification:** Roundtable

Contribution ID: **31**

Type: **not specified**

## Open Source Tools

*Thursday, 19 May 2022 15:30 (20 minutes)*

**Presenter:** KASSEM, Mohamed (Efabless)

**Session Classification:** Roundtable

Contribution ID: **32**

Type: **not specified**

## Discussion

*Thursday, 19 May 2022 16:10 (1h 10m)*

**Session Classification:** Roundtable

Contribution ID: 33

Type: **not specified**

## Enabling Collaboration Talk

*Friday, 20 May 2022 09:30 (20 minutes)*

**Presenter:** NEWCOMER, Mitch (U.Penn)

**Session Classification:** Roundtable

Contribution ID: **34**

Type: **not specified**

## Discussion

*Friday, 20 May 2022 09:50 (1h 10m)*

**Session Classification:** Roundtable

Contribution ID: 35

Type: **not specified**

## Cliosoft Hub

*Friday, 20 May 2022 11:30 (30 minutes)*

**Presenter:** VARDE, Amit (Cliosoft)

**Session Classification:** IP Sharing

Contribution ID: **36**

Type: **not specified**

## Synopsys Presentation

*Wednesday, 18 May 2022 14:00 (45 minutes)*

**Presenters:** FREEMAN, Bob (Synopsys); KAPINOS, John (Synopsys)

**Session Classification:** Tools and Vendors

Contribution ID: 37

Type: **not specified**

## Collaborative Agreements

*Friday, 20 May 2022 12:00 (30 minutes)*

**Presenter:** SAUERS, Aaron

**Session Classification:** IP Sharing

Contribution ID: **38**

Type: **not specified**

## Skywater

*Thursday, 19 May 2022 15:50 (20 minutes)*

**Presenter:** PARRY, Thomas

**Session Classification:** Roundtable

Contribution ID: 39

Type: **not specified**

## **Cadence Tools**

*Thursday, 19 May 2022 14:30 (45 minutes)*

**Presenter:** MOORE, KT (Cadence)

**Session Classification:** Tools and Vendors

Contribution ID: 40

Type: **not specified**

## UC Santa Cruz

*Wednesday, 18 May 2022 12:00 (15 minutes)*

**Presenter:** ABBASZADEH, Shiva (UC Santa Cruz)

**Session Classification:** Current Projects and Near Term Future

Contribution ID: 41

Type: **not specified**

## **Long term future of Integrated Circuits in HEP**

*Wednesday, 18 May 2022 16:00 (20 minutes)*

**Presenter:** GARCIA-SCIVERES, Maurice (LBNL)

**Session Classification:** Roundtable

Contribution ID: 42

Type: **not specified**

## University of Chicago

*Wednesday, 18 May 2022 12:15 (15 minutes)*

**Presenter:** OBERLA, Eric (university of chicago)

**Session Classification:** Current Projects and Near Term Future