

**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, May 19, 2022 9:00 AM (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, May 20, 2022 9:00 AM (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, May 19, 2022 11:00 AM (20 minutes)

Presenter: CARATELLI, Alessandro (CERN)

Session Classification: International Collaboration

Contribution ID: **18**

Type: **not specified**

University of Hawaii

Wednesday, May 18, 2022 11:00 AM (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, May 18, 2022 9:10 AM (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, May 18, 2022 9:25 AM (15 minutes)

Presenter: ROTA, Lorenzo (SLAC)

Session Classification: Current Projects and Near Term Future

Contribution ID: **21**

Type: **not specified**

LBL

Wednesday, May 18, 2022 9:55 AM (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, May 18, 2022 11:15 AM (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, May 18, 2022 9:40 AM (15 minutes)

Presenter: DEPTUCH, Grzegorz (BNL)

Session Classification: Current Projects and Near Term Future

Contribution ID: 25

Type: **not specified**

Discussion

Thursday, May 19, 2022 9:40 AM (50 minutes)

Session Classification: Roundtable

Contribution ID: 26

Type: **not specified**

Cryogenic Instrumentation - DUNE Perspective

Thursday, May 19, 2022 9:20 AM (20 minutes)

Presenter: GRACE, Carl (Lawrence Berkeley National Laboratory)

Session Classification: Roundtable

Contribution ID: 27

Type: **not specified**

Instituto Balseiro - Argentina

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

Presenter: ALCALDE BESSIA, Fabricio

Session Classification: Current Projects and Near Term Future

Contribution ID: 28

Type: **not specified**

University of Pennsylvania

Wednesday, May 18, 2022 11:30 AM (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, May 19, 2022 11:30 AM (20 minutes)

Presenter: CARINI, Gabriella (Brookhaven National Laboratory)

Session Classification: Roundtable

Contribution ID: **30**

Type: **not specified**

Discussion

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

Session Classification: Roundtable

Contribution ID: **31**

Type: **not specified**

Open Source Tools

Thursday, May 19, 2022 3:30 PM (20 minutes)

Presenter: KASSEM, Mohamed (Efabless)

Session Classification: Roundtable

Contribution ID: **32**

Type: **not specified**

Discussion

Thursday, May 19, 2022 4:10 PM (1h 10m)

Session Classification: Roundtable

Contribution ID: 33

Type: **not specified**

Enabling Collaboration Talk

Friday, May 20, 2022 9:30 AM (20 minutes)

Presenter: NEWCOMER, Mitch (U.Penn)

Session Classification: Roundtable

Contribution ID: **34**

Type: **not specified**

Discussion

Friday, May 20, 2022 9:50 AM (1h 10m)

Session Classification: Roundtable

Contribution ID: 35

Type: **not specified**

Cliosoft Hub

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

Presenter: VARDE, Amit (Cliosoft)

Session Classification: IP Sharing

Contribution ID: **36**

Type: **not specified**

Synopsys Presentation

Wednesday, May 18, 2022 2:00 PM (45 minutes)

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

Session Classification: Tools and Vendors

Contribution ID: 37

Type: **not specified**

Collaborative Agreements

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

Presenter: SAUERS, Aaron

Session Classification: IP Sharing

Contribution ID: **38**

Type: **not specified**

Skywater

Thursday, May 19, 2022 3:50 PM (20 minutes)

Presenter: PARRY, Thomas

Session Classification: Roundtable

Contribution ID: **39**

Type: **not specified**

Cadence Tools

Thursday, May 19, 2022 2:30 PM (45 minutes)

Presenter: MOORE, KT (Cadence)

Session Classification: Tools and Vendors

Contribution ID: 40

Type: **not specified**

UC Santa Cruz

Wednesday, May 18, 2022 12:00 PM (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, May 18, 2022 4:00 PM (20 minutes)

Presenter: GARCIA-SCIVERES, Maurice (LBNL)

Session Classification: Roundtable

Contribution ID: 42

Type: **not specified**

University of Chicago

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

Presenter: OBERLA, Eric (university of chicago)

Session Classification: Current Projects and Near Term Future