

US Workshop on IC Design for High Energy Physics - HEPIC2013



Report of Contributions

Contribution ID: 0

Type: **not specified**

Introduction

Thursday, May 30, 2013 8:00 AM (20 minutes)

Session Classification: Session 1

Contribution ID: 1

Type: **not specified**

White paper status report

Thursday, May 30, 2013 8:20 AM (20 minutes)

Presenter: HALLER, Gunther (SLAC)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

ASIC needs for observational cosmology

Thursday, May 30, 2013 8:40 AM (30 minutes)

Presenter: VARNER, Gary (U. of Hawaii)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

ASIC needs for direct DM and neutrino detection

Thursday, May 30, 2013 9:40 AM (30 minutes)

Presenter: GALBIATI, Cristiano (Princeton)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

ASIC needs for CMB

Thursday, May 30, 2013 9:10 AM (30 minutes)

Presenter: LEE, Adrian (UC Berkeley)

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

ASIC needs for B-physics

Thursday, May 30, 2013 11:40 AM (30 minutes)

Presenter: ARTUSO, Marina (Syracuse U.)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

ASIC needs for future large scale detectors

Thursday, May 30, 2013 10:40 AM (30 minutes)

Presenter: RADEKA, Veljko (BNL)

Session Classification: Session 1

Contribution ID: 7

Type: **not specified**

ASIC needs for high intensity fixed target experiments

Thursday, May 30, 2013 11:10 AM (30 minutes)

Presenter: TECCHIO, Monica (U. of Michigan)

Session Classification: Session 1

Contribution ID: 8

Type: **not specified**

ASIC needs for ATLAS and CMS tracking

Thursday, May 30, 2013 2:00 PM (30 minutes)

Presenter: RYD, Anders (Cornell U.)

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

ASIC needs for ATLAS and CMS muons

Thursday, May 30, 2013 2:30 PM (30 minutes)

Presenter: POLYCHRONAKOS, Venetios (BNL)

Session Classification: Session 2

Contribution ID: **10**

Type: **not specified**

ASIC needs for ATLAS calorimetry

Thursday, May 30, 2013 3:00 PM (30 minutes)

Presenter: LANNI, Francesco (BNL)

Session Classification: Session 2

Contribution ID: 11

Type: **not specified**

ASIC needs for e+e- colliders

Thursday, May 30, 2013 4:00 PM (30 minutes)

Presenter: BREIDENBACH, Marty (SLAC)

Session Classification: Session 2

Contribution ID: 12

Type: **not specified**

ASIC needs for muon colliders

Thursday, May 30, 2013 4:30 PM (30 minutes)

Presenter: CHRISTIAN, David (FNAL)

Session Classification: Session 2

Contribution ID: 13

Type: **not specified**

Round table on physics needs

Thursday, May 30, 2013 5:00 PM (1 hour)

Session Classification: Session 2

Contribution ID: 14

Type: **not specified**

IC design for Nuclear Science

Friday, May 31, 2013 8:30 AM (30 minutes)

Presenter: LUDLAM, Tom (BNL)

Session Classification: Session 3

Contribution ID: 15

Type: **not specified**

Connections to Basic Energy Sciences

Friday, May 31, 2013 8:00 AM (30 minutes)

Presenter: DENES, Peter (LBNL)

Session Classification: Session 3

Contribution ID: 16

Type: **not specified**

Where NOT to use ASICS

Friday, May 31, 2013 9:00 AM (30 minutes)

Presenter: VAN BERG, Rick (U. Penn)

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

IC processes currently in use & projection into the future

Friday, May 31, 2013 10:00 AM (30 minutes)

Presenter: DEPTUCH, Grzegorz (FNAL)

Session Classification: Session 3

Contribution ID: **18**

Type: **not specified**

Plans for support of advanced technologies at CERN

Friday, May 31, 2013 1:30 PM (30 minutes)

Presenter: MARCHIORO, Alessandro (CERN)

Session Classification: Session 4

Contribution ID: **19**

Type: **not specified**

MOSIS roadmap

Friday, May 31, 2013 2:00 PM (30 minutes)

Presenter: PINA, Russ (MOSIS)

Session Classification: Session 4

Contribution ID: 20

Type: **not specified**

3D Consortium and other collaborative activities

Friday, May 31, 2013 2:30 PM (30 minutes)

Presenter: YAREMA, Ray (FNAL)

Session Classification: Session 4

Contribution ID: 21

Type: **not specified**

IC design organization in France

Friday, May 31, 2013 10:30 AM (30 minutes)

Presenter: DE LA TAILLE, Christophe (IN2P3)

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Round tables / breakouts

Friday, May 31, 2013 5:00 PM (1 hour)

Session Classification: Session 4

Contribution ID: 23

Type: **not specified**

Challenges for data transmission

Friday, May 31, 2013 3:30 PM (30 minutes)

Presenter: YE, Jingbo (Southern Methodist U.)

Session Classification: Session 4

Contribution ID: 24

Type: **not specified**

Challenges for future cryogenic electronics

Friday, May 31, 2013 4:00 PM (30 minutes)

Presenter: LI, Shaorui (BNL)

Session Classification: Session 4

Contribution ID: 25

Type: **not specified**

Challenges for future rad hard electronics

Saturday, June 1, 2013 9:00 AM (30 minutes)

Presenter: MEKKAOUI, Abderrazak (LBNL)

Session Classification: Session 5

Contribution ID: 26

Type: **not specified**

Challenges for experiment on chip

Saturday, June 1, 2013 9:30 AM (30 minutes)

Presenter: LIU, Ted (FNAL)

Session Classification: Session 5

Contribution ID: 27

Type: **not specified**

Challenges for future electronics for space and high reliability

Friday, May 31, 2013 4:30 PM (30 minutes)

Presenter: NELSON, Dave (SLAC)

Session Classification: Session 4

Contribution ID: **28**

Type: **not specified**

Closeout

Saturday, June 1, 2013 11:30 AM (15 minutes)

Session Classification: Session 5

Contribution ID: 29

Type: **not specified**

White paper editorial discussion

Saturday, June 1, 2013 10:15 AM (1h 15m)

Session Classification: Session 5

Contribution ID: **30**

Type: **not specified**

White paper draft

Saturday, June 1, 2013 11:45 AM (20 minutes)

Session Classification: Session 5