

**Tohoku Forum for Creativity
-Particle Physics and
Cosmology after the discovery
of Higgs boson-**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Greeting from the President of Tohoku University

Monday 21 October 2013 10:00 (10 minutes)

Presenter: SATOMI, Susumu (Tohoku University)

Session Classification: Welcome

Contribution ID: 1

Type: **not specified**

Opening Remarks

Monday 21 October 2013 10:10 (10 minutes)

Presenter: YAMAMOTO, Hitoshi (Tohoku University)

Session Classification: Welcome

Contribution ID: 2

Type: **not specified**

Miscellaneous Information

Monday 21 October 2013 10:20 (10 minutes)

Presenter: , the local organizing committee (Tohoku University)

Session Classification: Welcome

Contribution ID: 3

Type: **not specified**

Beyond the Standard Model (Remote)

Monday 21 October 2013 10:30 (40 minutes)

Presenter: WEINBERG, Steven (The University of Texas)

Session Classification: Opening Session

Contribution ID: 4

Type: **not specified**

The Outlook for Fundamental Physics

Monday 21 October 2013 11:25 (40 minutes)

Presenter: GROSS, David (University of California)

Session Classification: Opening Session

Contribution ID: 5

Type: **not specified**

From Higgs discovery to precision Higgs and beyond

Monday 21 October 2013 14:20 (50 minutes)

Presenter: SPIROPULU, Maria (California Institute of Technology)

Session Classification: Plenary Session

Contribution ID: 6

Type: **not specified**

What is the Higgs Boson trying to tell us?

Monday 21 October 2013 15:10 (50 minutes)

Presenter: LYKKEN, Joseph (Fermi National Accelerator Laboratory)

Session Classification: Plenary Session

Contribution ID: 7

Type: **not specified**

Wilson, Naturalness, and the Higgs

Monday 21 October 2013 16:30 (50 minutes)

Presenter: COHEN, Andrew (Boston University)

Session Classification: Plenary Session

Contribution ID: 8

Type: **not specified**

The Future of Particle Accelerators: The International Linear Collider

Monday 21 October 2013 17:20 (50 minutes)

Presenter: BARISH, Barry

Session Classification: Plenary Session

Contribution ID: 9

Type: **not specified**

ILC Overview

Tuesday 22 October 2013 10:00 (40 minutes)

Presenter: YOKOYA, Kaoru (KEK)

Session Classification: Group D

Contribution ID: **10**

Type: **not specified**

Superconducting Test Facility

Tuesday 22 October 2013 10:40 (40 minutes)

Presenter: HAYANO, Hitoshi (KEK)

Session Classification: Group D

Contribution ID: 11

Type: **not specified**

ILC Tunnel Length at Kitakami Site

Tuesday 22 October 2013 11:20 (40 minutes)

Presenter: SANUKI, Tomoyuki (Tohoku)

Session Classification: Group D

Contribution ID: 12

Type: **not specified**

Cavity R&D History for the ILC & Toward Higher Gradient

Tuesday 22 October 2013 14:00 (40 minutes)

Presenter: YAMAMOTO, Yasuchika (KEK)

Session Classification: Group D

Contribution ID: 13

Type: **not specified**

Disucussion

Tuesday 22 October 2013 14:40 (40 minutes)

Session Classification: Group D

Contribution ID: 14

Type: **not specified**

Discussion

Tuesday 22 October 2013 15:50 (1 hour)

Session Classification: Group D

Contribution ID: 15

Type: **not specified**

Higgs in BSM Models

Tuesday 22 October 2013 10:00 (40 minutes)

Presenter: KANEMURA, Shinya (Toyama)

Session Classification: Group A, B, C Joint Session

Contribution ID: 16

Type: **not specified**

Higgs Measurements at the ILC

Tuesday 22 October 2013 10:40 (40 minutes)

Presenter: TIAN, Junping (KEK)

Session Classification: Group A, B, C Joint Session

Contribution ID: 17

Type: **not specified**

Minimal Dark Matter and Direct Detection as a Probe of Reheating

Tuesday 22 October 2013 11:20 (40 minutes)

Presenter: IBE, Masahiro (ICRR)

Session Classification: Group A, B, C Joint Session

Contribution ID: **18**

Type: **not specified**

The R-xion: Peccei-Quinn Symmetry from a Gauged Discrete R Symmetry

Tuesday 22 October 2013 14:00 (40 minutes)

Presenter: SCHMITZ, Kai (Kavli IPMU)

Session Classification: Group A, B, C Joint Session

Contribution ID: 19

Type: **not specified**

Moduli-induced Axion Problem

Presenter: HIGAKI, Tetsutaro (KEK)

Contribution ID: 20

Type: **not specified**

Massive gravity and cosmology

Tuesday 22 October 2013 14:40 (40 minutes)

Presenter: MUKOHYAMA, Shinji (Kavli IPMU)

Session Classification: Group A, B, C Joint Session

Contribution ID: 21

Type: **not specified**

BSM searches at the ILC

Tuesday 22 October 2013 15:50 (40 minutes)

Presenter: KATO, Eriko (Tohoku)

Session Classification: Group A, B, C Joint Session

Contribution ID: 22

Type: **not specified**

The Origin of Density Fluctuations and the Early Universe

Tuesday 22 October 2013 16:30 (40 minutes)

Presenter: TAKAHASHI, Tomo (Saga)

Session Classification: Group A, B, C Joint Session

Contribution ID: 23

Type: **not specified**

Discussion

Tuesday 22 October 2013 17:10 (30 minutes)

Session Classification: Group A

Contribution ID: 24

Type: **not specified**

Discussion

Tuesday 22 October 2013 17:10 (30 minutes)

Session Classification: Group B

Contribution ID: 25

Type: **not specified**

Discussion

Tuesday 22 October 2013 17:10 (30 minutes)

Session Classification: Group C, D Joint Session

Contribution ID: 26

Type: **not specified**

Probing SUSY Contributions to Muon $g-2$ at LHC and ILC

Wednesday 23 October 2013 14:00 (40 minutes)

Presenter: ENDO, Motoi (Tokyo)

Session Classification: Group A, B, C Joint Session

Contribution ID: 27

Type: **not specified**

New Physics at the LHC and the ILC

Presenter: NOJIRI, Mihoko (KEK)

Contribution ID: 28

Type: **not specified**

Sterile Neutrino Cosmology

Wednesday 23 October 2013 14:40 (40 minutes)

Presenter: KUSENKO, Alexander (UCLA)

Session Classification: Group A, B, C Joint Session

Contribution ID: 29

Type: **not specified**

Top quark Theory at e+e- Colliders

Wednesday 23 October 2013 10:00 (40 minutes)

Presenter: YOKOYA, Hiroshi (Toyama)

Session Classification: Group A, B, C Joint Session

Contribution ID: **30**

Type: **not specified**

Top quark Measurements at the ILC

Wednesday 23 October 2013 10:40 (40 minutes)

Presenter: ISHIKAWA, Akimasa (Tohoku)

Session Classification: Group A, B, C Joint Session

Contribution ID: 31

Type: **not specified**

A closer look at the CMB anisotropies

Wednesday 23 October 2013 15:50 (40 minutes)

Presenter: ICHIKI, Kiyotomo (Nagoya)

Session Classification: Group A, B, C Joint Session

Contribution ID: **32**

Type: **not specified**

Discussion

Wednesday 23 October 2013 17:30 (40 minutes)

Session Classification: Group A

Contribution ID: **33**

Type: **not specified**

Discussion

Wednesday 23 October 2013 17:30 (40 minutes)

Session Classification: Group B

Contribution ID: **34**

Type: **not specified**

Discussion

Wednesday 23 October 2013 17:30 (40 minutes)

Session Classification: Group C, D Joint Session

Contribution ID: 35

Type: **not specified**

Dynamics of reheating after inflation

Thursday 24 October 2013 10:00 (40 minutes)

Presenter: NAKAYAMA, Kazunori (Tokyo)

Session Classification: Group A, B, C Joint Session

Contribution ID: **36**

Type: **not specified**

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Contribution ID: 37

Type: **not specified**

WISPy Dark Matter

Thursday 24 October 2013 10:40 (40 minutes)

Presenter: JAVIER, Redondo (MPI)

Session Classification: Group A, B, C Joint Session

Contribution ID: **38**

Type: **not specified**

BSM

Thursday 24 October 2013 14:00 (40 minutes)

Presenter: KITANO, Ryuichiro (KEK)

Session Classification: Group A, B, C Joint Session

Contribution ID: 39

Type: **not specified**

Formulation of effective theories for dark matter direct detection

Presenter: NAGATA, Natsumi (Nagoya)

Contribution ID: 40

Type: **not specified**

Discussion

Thursday 24 October 2013 15:50 (1h 10m)

Session Classification: Group A

Contribution ID: 41

Type: **not specified**

Discussion

Thursday 24 October 2013 15:50 (1h 10m)

Session Classification: Group B

Contribution ID: 42

Type: **not specified**

Discussion

Thursday 24 October 2013 15:50 (1h 10m)

Session Classification: Group C, D Joint Session

Contribution ID: 43

Type: **not specified**

Summary of Group A

Friday 25 October 2013 10:00 (20 minutes)

Presenter: RYUICHIRO, Kitano (KEK)

Session Classification: Summary of Group Discussion

Contribution ID: 44

Type: **not specified**

Summary of Group B

Friday 25 October 2013 10:20 (20 minutes)

Presenter: TAKAHASHI, Fuminobu (Tohoku)

Session Classification: Summary of Group Discussion

Contribution ID: 45

Type: **not specified**

Summary of Group C

Friday 25 October 2013 11:00 (20 minutes)

Presenter: ISHIKAWA, Akimasa (Tohoku)

Session Classification: Summary of Group Discussion

Contribution ID: 46

Type: **not specified**

Summary of Group D

Friday 25 October 2013 10:40 (20 minutes)

Presenter: SANUKI, Tomoyuki

Session Classification: Summary of Group Discussion

Contribution ID: 47

Type: **not specified**

Disucussion, Proposal and Closing

Friday 25 October 2013 11:30 (30 minutes)

Session Classification: Discussion, Proposals and Closing

Contribution ID: 48

Type: **not specified**

Questions

Monday 21 October 2013 11:10 (15 minutes)

Session Classification: Opening Session

Contribution ID: 49

Type: **not specified**

Questions

Monday 21 October 2013 12:05 (15 minutes)

Session Classification: Opening Session

Contribution ID: 50

Type: **not specified**

Tohoku Forum Exciting Class: On our universe from non-experts point of view

Wednesday 23 October 2013 10:00 (2 hours)

Session Classification: Group E

Contribution ID: 51

Type: **not specified**

New Physics Searches at the LHC and the ILC

Wednesday 23 October 2013 11:20 (40 minutes)

Presenter: NOJIRI, Mihoko (KEK)

Session Classification: Group A, B, C Joint Session

Contribution ID: 52

Type: **not specified**

Moduli-induced Axion Problem

Thursday 24 October 2013 11:20 (40 minutes)

Presenter: HIGAKI, Tetsutaro (KEK)

Session Classification: Group A, B, C Joint Session

Contribution ID: 53

Type: **not specified**

Formulation of effective theories for dark matter direct detection

Thursday 24 October 2013 14:40 (40 minutes)

Presenter: NAGATA, Natsumi (Nagoya)

Session Classification: Group A, B, C Joint Session

Contribution ID: 54

Type: **not specified**

ILC Energy Extendability

Wednesday 23 October 2013 16:30 (30 minutes)

Presenter: YOKOYA, Kaoru (KEK)

Session Classification: Group A, C, D joint session

Contribution ID: 55

Type: **not specified**

Discussion

Wednesday 23 October 2013 17:00 (30 minutes)

Session Classification: Group A, C, D joint session

Contribution ID: 56

Type: **not specified**

Summary of Group E

Friday 25 October 2013 11:20 (10 minutes)

Presenter: SANUKI, Tomoyuki (Tohoku)

Session Classification: Summary of Group Discussion