

# Naturalness 2014



## Report of Contributions

Contribution ID: 0

Type: **not specified**

## Opening announcement

*Friday, November 14, 2014 10:00 AM (10 minutes)*

**Presenter:** PEREZ, Gilad (CERN & Weizmann)

**Session Classification:** Opening Session

Contribution ID: 1

Type: **not specified**

## Opening talk

*Friday, November 14, 2014 10:20 AM (50 minutes)*

**Presenter:** ARKANI-HAMED, Nima (IAS)

**Session Classification:** Opening Session

Contribution ID: 2

Type: **not specified**

## **SUSY and Naturalness overview (the.)**

*Friday, November 14, 2014 11:10 AM (35 minutes)*

**Presenter:** SUNDRUM, Raman (University of Maryland)

**Session Classification:** SUSY and Naturalness overview

Contribution ID: 3

Type: **not specified**

## **SUSY and Naturalness overview (exp.)**

*Friday, November 14, 2014 11:45 AM (15 minutes)*

**Presenter:** PRIMAVERA, Margherita (Universita del Salento (IT))

**Session Classification:** SUSY and Naturalness overview

Contribution ID: 4

Type: **not specified**

## **Composite Higgs and Naturalness overview (the.)**

*Friday, November 14, 2014 2:00 PM (35 minutes)*

**Presenter:** RATTAZZI, Riccardo (Ecole Polytechnique Federale de Lausanne (CH))

**Session Classification:** Composite Higgs and Naturalness

Contribution ID: 5

Type: **not specified**

## **Composite Higgs and Naturalness overview (exp.)**

*Friday, November 14, 2014 2:35 PM (35 minutes)*

**Presenter:** GOLLING, Tobias (Yale University (US))

**Session Classification:** Composite Higgs and Naturalness

Contribution ID: 6

Type: **not specified**

# Higgs Discovery

*Friday, November 14, 2014 3:40 PM (15 minutes)*

**Presenter:** XIE, Si (California Institute of Technology (US))

**Session Classification:** Higgs Discovery



Contribution ID: 7

Type: **not specified**

## Naturalness

*Friday, November 14, 2014 4:15 PM (40 minutes)*

**Presenters:** CSAKI, Csaba (Cornell University); REDI, Michele (Universita e INFN (IT)); CRAIG, Nathaniel; CONTINO, Roberto (EPFL Lausanne & CERN (CH)); SKIBA, Witold (Yale University)

**Session Classification:** Panel

Contribution ID: 8

Type: **not specified**

## Flavor physics (the.)

*Saturday, November 15, 2014 5:30 PM (35 minutes)*

**Presenter:** KAGAN, Alexander (university of cincinnati)

**Session Classification:** Flavor Physics

Contribution ID: 9

Type: **not specified**

## **Rare decays (exp.)**

*Saturday, November 15, 2014 6:05 PM (35 minutes)*

**Presenter:** MARTINEZ SANTOS, Diego (NIKHEF (NL))

**Session Classification:** Flavor Physics

Contribution ID: **10**

Type: **not specified**

## **CP Violation (exp.)**

*Saturday, November 15, 2014 6:40 PM (35 minutes)*

**Presenter:** WILKINSON, Guy (University of Oxford (GB))

**Session Classification:** Flavor Physics

Contribution ID: 11

Type: **not specified**

## Flavor and Naturalness

*Saturday, November 15, 2014 7:35 PM (40 minutes)*

**Presenters:** KRIBS, Graham (University of Oregon); F. KAMENIK, Jernej (Jozef Stefan Institute); ZUPAN, Jure (University of Cincinnati); LIGETI, Zoltan

**Session Classification:** Panel

Contribution ID: 12

Type: **not specified**

## **Elusive SUSY (the.)**

*Sunday, November 16, 2014 10:00 AM (35 minutes)*

**Presenter:** REECE, Matthew (Harvard University)

**Session Classification:** Elusive SUSY

Contribution ID: 13

Type: **not specified**

## **Elusive SUSY (exp.)**

*Sunday, November 16, 2014 10:35 AM (35 minutes)*

**Presenter:** WUERHWEIN, Frank (Univ. of California San Diego (US))

**Session Classification:** Elusive SUSY

Contribution ID: 14

Type: **not specified**

## **Elusive Compositeness (the.)**

*Sunday, November 16, 2014 11:10 AM (35 minutes)*

**Presenter:** PANICO, Giuliano (CERN)

**Session Classification:** Elusive Compositeness and non-colored partners



Contribution ID: 15

Type: **not specified**

## **Non-colored partners (the.)**

*Sunday, November 16, 2014 11:45 AM (35 minutes)*

**Presenter:** CHACKO, Zackaria

**Session Classification:** Elusive Compositeness and non-colored partners

Contribution ID: 16

Type: **not specified**

## **LEP & Higgs vs. Naturalness (the.)**

*Sunday, November 16, 2014 2:00 PM (35 minutes)*

**Presenter:** POMAROL, Alex (Universidad de Barcelona)

**Session Classification:** LEP & Higgs vs. Naturalness and the future

Contribution ID: 17

Type: **not specified**

## **Higgs physics and the future (the.)**

*Sunday, November 16, 2014 2:35 PM (35 minutes)*

**Presenter:** GROJEAN, Christophe (ICREA/IFAE (Barcelona))

**Session Classification:** LEP & Higgs vs. Naturalness and the future

Contribution ID: **18**

Type: **not specified**

## **Higgs and BSM (exp.)**

*Sunday, November 16, 2014 3:40 PM (35 minutes)*

**Presenter:** READ, Alexander Lincoln (University of Oslo (NO))

**Session Classification:** Higgs and BSM

Contribution ID: 19

Type: **not specified**

## What have we missed?

*Sunday, November 16, 2014 4:20 PM (40 minutes)*

**Presenters:** DELAUNAY, Cedric (Unite Reseaux du CNRS (FR)); STOLARSKI, Daniel (CERN); EVANS, Jared; STRASSLER, Matthew (Harvard University)

**Session Classification:** Panel

Contribution ID: 20

Type: **not specified**

## **Hadronic Precision Frontier: Where to push?**

*Monday, November 17, 2014 10:00 AM (35 minutes)*

**Presenter:** STERMAN, George (SUNY)

**Session Classification:** Hadronic Precision and Boosted Physics

Contribution ID: 21

Type: **not specified**

## **SUSY in the boosted regime (the.)**

*Monday, November 17, 2014 10:35 AM (35 minutes)*

**Presenter:** SPANNOWSKY, Michael (IPPP Durham)

**Session Classification:** Hadronic Precision and Boosted Physics

Contribution ID: 22

Type: **not specified**

## **Compositeness in the boosted regime (the.)**

*Monday, November 17, 2014 11:10 AM (35 minutes)*

**Presenter:** WULZER, andrea (ETH-Zurich)

**Session Classification:** Hadronic Precision and Boosted Physics



Contribution ID: 23

Type: **not specified**

## **SUSY and compositeness in the boosted regime (exp.)**

*Monday, November 17, 2014 11:45 AM (35 minutes)*

**Presenter:** LANDSBERG, Greg (Brown University (US))

**Session Classification:** Hadronic Precision and Boosted Physics

Contribution ID: 24

Type: **not specified**

## How natural is dark matter?

*Monday, November 17, 2014 2:00 PM (35 minutes)*

**Presenter:** RANDALL, Lisa (H)

**Session Classification:** Dark Matter

Contribution ID: 25

Type: **not specified**

## **The pros and cons of the environmental argument**

*Monday, November 17, 2014 2:35 PM (35 minutes)*

**Presenter:** HARNIK, Roni (Fermilab)

**Session Classification:** Environmental Argument

Contribution ID: 26

Type: **not specified**

## Deep into the future

*Monday, November 17, 2014 4:20 PM (40 minutes)*

**Presenters:** WEILER, Andreas (CERN); WANG, LianTao (University of Chicago); Prof. SINERVO, Pekka (University of Toronto (CA)); COHEN, Timothy (SLAC)

**Session Classification:** Panel

Contribution ID: 27

Type: **not specified**

## **Softened Gravity and the Extension of the SM up to Infinite Energy**

*Monday, November 17, 2014 3:40 PM (40 minutes)*

**Presenter:** GIUDICE, Gian (CERN)

**Session Classification:** Extension of the SM up to Infinite Energy

Contribution ID: 28

Type: **not specified**

## Discussion

*Friday, November 14, 2014 12:00 PM (20 minutes)*

**Session Classification:** SUSY and Naturalness overview

Contribution ID: 29

Type: **not specified**

## Discussion

*Friday, November 14, 2014 3:55 PM (20 minutes)*

**Session Classification:** Higgs Discovery

Contribution ID: **30**

Type: **not specified**

## **lunch at Abu-Gosh**



Contribution ID: 31

Type: **not specified**

## Excursion to Masada

Contribution ID: **32**

Type: **not specified**

## **Welcome - Weizmann Physics Faculty Dean**

*Friday, November 14, 2014 10:10 AM (10 minutes)*

**Presenter:** NIR, Yosef (Weizmann Institute of Science (IL))

**Session Classification:** Opening Session