

# **US ATLAS Workshop on LHC Searches at LBNL**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# The Standard Model Effective Theory and Higgs Physics

*Wednesday, 29 January 2014 14:00 (1 hour)*

**Presenter:** MANOHAR, Aneesh (UC San Diego)

**Session Classification:** Open time to meet collaborators and work

Contribution ID: 1

Type: **not specified**

## **Multi-parton interactions and Electroweak Logs**

*Tuesday, 28 January 2014 13:30 (40 minutes)*

**Presenter:** MANOHAR, Aneesh (University of California San Diego)

**Session Classification:** Other Theory Topics

Contribution ID: 2

Type: **not specified**

## Some New Applications of Jet Substructure

*Tuesday, 28 January 2014 14:25 (30 minutes)*

**Presenter:** TWEEDIE, Brock (Boston University)

**Session Classification:** Other Theory Topics

Contribution ID: 3

Type: **not specified**

## **ATLAS SUSY Phase Space Coverage**

*Monday, 27 January 2014 11:00 (20 minutes)*

**Presenter:** MAJEWSKI, Stephanie (Brookhaven National Laboratory (US))

**Session Classification:** Searches: What have we missed?

Contribution ID: 4

Type: **not specified**

## Hidden SUSY Models

*Monday, 27 January 2014 11:30 (30 minutes)*

**Presenters:** SHIH, David Chen-Yu; SHIH, David (Rutgers University); SHIH, David (IAS/Princeton)

**Session Classification:** Searches: What have we missed?

Contribution ID: 5

Type: **not specified**

## Discussion

*Monday, 27 January 2014 12:10 (20 minutes)*

**Session Classification:** Searches: What have we missed?

Contribution ID: 6

Type: **not specified**

## Welcome and Logistics

*Monday, 27 January 2014 09:00 (10 minutes)*

**Presenter:** MARSHALL, Zachary Louis (Lawrence Berkeley National Lab. (US))

**Session Classification:** Introduction to Searches



Contribution ID: 7

Type: **not specified**

## **ATLAS Exotics Phase Space Coverage**

*Monday, 27 January 2014 09:10 (20 minutes)*

**Presenter:** WATTS, Gordon (University of Washington (US))

**Session Classification:** Introduction to Searches

Contribution ID: 8

Type: **not specified**

## Exotic Higgs Decays

*Monday, 27 January 2014 09:35 (30 minutes)*

**Presenters:** ESSIG, Rouven (S); Mr ESSIG, Rouven (Rutgers University); ESSIG, Rouven (Stony Brook University); ESSIG, Rouven (SLAC National Accelerator Laboratory)

**Session Classification:** Introduction to Searches

Contribution ID: 9

Type: **not specified**

## Discussion

*Monday, 27 January 2014 10:10 (20 minutes)*

**Session Classification:** Introduction to Searches

Contribution ID: **10**

Type: **not specified**

## **Recent Developments in Jets and Substructure**

*Monday, 27 January 2014 15:30 (30 minutes)*

**Presenter:** WALSH, Jon (UC Berkeley)

**Session Classification:** Jets and Substructure

Contribution ID: 11

Type: **not specified**

## **Jets and Substructure with ATLAS**

*Monday, 27 January 2014 16:05 (30 minutes)*

**Presenter:** SWIATLOWSKI, Maximilian J (SLAC National Accelerator Laboratory (US))

**Session Classification:** Jets and Substructure

Contribution ID: 12

Type: **not specified**

## Discussion

*Monday, 27 January 2014 16:40 (20 minutes)*

**Session Classification:** Jets and Substructure

Contribution ID: 13

Type: **not specified**

## Developments in Sherpa and BlackHat

*Monday, 27 January 2014 13:30 (30 minutes)*

**Presenter:** HOCHÉ, Stefan (SLAC National Accelerator Laboratory (US))

**Session Classification:** MC Generators

Contribution ID: 14

Type: **not specified**

## Generator use by ATLAS

*Monday, 27 January 2014 14:05 (30 minutes)*

**Presenter:** MARSHALL, Zachary Louis (Lawrence Berkeley National Lab. (US))

**Session Classification:** MC Generators



Contribution ID: 15

Type: **not specified**

## Discussion

*Monday, 27 January 2014 14:40 (20 minutes)*

**Session Classification:** MC Generators

Contribution ID: 16

Type: **not specified**

## Higher Order Generators: Which One Where?

*Tuesday, 28 January 2014 09:00 (30 minutes)*

**Presenters:** ALIOLI, Simone (DESY, Zeuthen); ALIOLI, Simone (LBNL & UC Berkeley)

**Session Classification:** MC Generators Part 2

Contribution ID: 17

Type: **not specified**

## Geneva: The New Addition

*Tuesday, 28 January 2014 09:45 (30 minutes)*

**Presenters:** BAUER, Christian (Max-Planck-Institut fuer Kernphysik (MPI)); Prof. BAUER, Christian (UC Berkeley)

**Session Classification:** MC Generators Part 2

Contribution ID: 18

Type: **not specified**

## **Introduction to rare and small backgrounds, questions to address**

Contribution ID: **19**

Type: **not specified**

## One short talk?

Contribution ID: 20

Type: **not specified**

## Discussion

Contribution ID: 21

Type: **not specified**

## **Long-Lived Sparticles in the Gravitino pMSSM**

*Tuesday, 28 January 2014 15:30 (20 minutes)*

**Presenter:** CAHILL-ROWLEY, Matthew (SLAC)

**Session Classification:** Reinterpretation of Searches

Contribution ID: 22

Type: **not specified**

## Dark Matter at LHC: jets + met searches

*Tuesday, 28 January 2014 16:00 (20 minutes)*

**Presenter:** VICHI, Alessandro (Institut de Physique Theorique-Ecole Polytechnique Federale de Lausanne)

**Session Classification:** Reinterpretation of Searches



Contribution ID: 23

Type: **not specified**

## Group Photo

*Monday, 27 January 2014 15:00 (10 minutes)*

Contribution ID: 24

Type: **not specified**

## Summary: Part 1

*Thursday, 30 January 2014 13:30 (30 minutes)*

**Presenter:** BLACK, Kevin (Boston University)

**Session Classification:** ATLAS / Theory Wrap-Up

Contribution ID: 25

Type: **not specified**

## A Brief Run 2 To Do List

*Thursday, 30 January 2014 14:10 (20 minutes)*

**Presenter:** MARSHALL, Zachary Louis (Lawrence Berkeley National Lab. (US))

**Session Classification:** ATLAS / Theory Wrap-Up