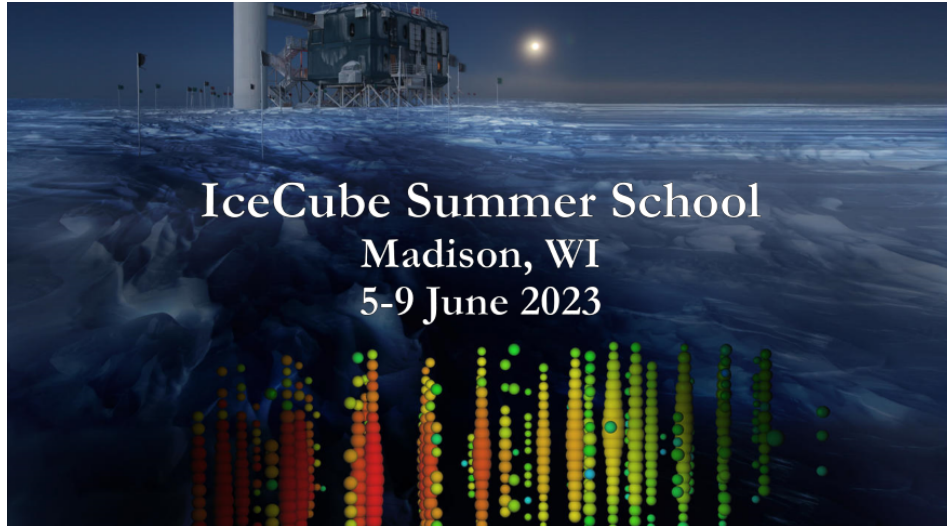


IceCube Summer School 2023



Report of Contributions

Contribution ID: **1**

Type: **not specified**

IceCube Detector

Monday, 5 June 2023 09:30 (30 minutes)

Primary author: KELLEY, John (University of Wisconsin–Madison)

Presenter: KELLEY, John (University of Wisconsin–Madison)

Session Classification: Physics

Contribution ID: 2

Type: **not specified**

IceCube Science

Monday, 5 June 2023 09:00 (30 minutes)

Primary author: HALZEN, Francis (University of Wisconsin–Madison)

Presenter: HALZEN, Francis (University of Wisconsin–Madison)

Session Classification: Physics

Contribution ID: 3

Type: **not specified**

Neutrino Physics & Oscillations

Monday, 5 June 2023 11:00 (30 minutes)

Primary author: Prof. AGARWALLA, Sanjib (Department of Physics & Wisconsin IceCube Particle Astrophysics Center, University of Wisconsin)

Presenter: Prof. AGARWALLA, Sanjib (Department of Physics & Wisconsin IceCube Particle Astrophysics Center, University of Wisconsin)

Session Classification: Physics

Contribution ID: 4

Type: **not specified**

Multimessenger Astrophysics

Monday, 5 June 2023 10:00 (30 minutes)

Primary author: DESAI, Abhishek (University of Wisconsin–Madison)

Presenter: DESAI, Abhishek (University of Wisconsin–Madison)

Session Classification: Physics

Contribution ID: 5

Type: **not specified**

Diversity, Equity, and Inclusion

Monday, 5 June 2023 11:30 (15 minutes)

Primary author: BECHTOL, Ellen (University of Wisconsin–Madison)

Presenter: BECHTOL, Ellen (University of Wisconsin–Madison)

Session Classification: Diversity, Equity, and Inclusion

Contribution ID: 6

Type: **not specified**

Intro to Python

Monday, 5 June 2023 13:00 (1 hour)

Primary author: BUTTERFIELD, Delaney (o=uwmad,ou=Institutions,dc=icecube,dc=wisc,dc=edu)

Presenter: BUTTERFIELD, Delaney (o=uwmad,ou=Institutions,dc=icecube,dc=wisc,dc=edu)

Session Classification: Computing

Contribution ID: 7

Type: **not specified**

Advanced Python

Monday, 5 June 2023 13:00 (1 hour)

Primary author: ASHIDA, Yosuke (University of Wisconsin–Madison)

Presenter: ASHIDA, Yosuke (University of Wisconsin–Madison)

Session Classification: Computing

Contribution ID: 8

Type: **not specified**

Coding Best Practices

Monday, 5 June 2023 14:30 (1 hour)

Primary author: SAVINA, Pierpaolo (University of Wisconsin–Madison)

Presenter: SAVINA, Pierpaolo (University of Wisconsin–Madison)

Session Classification: Computing

Contribution ID: 9

Type: **not specified**

South Pole

Tuesday, 6 June 2023 09:00 (30 minutes)

Primary author: DUVERNOIS, Michael (University of Wisconsin–Madison)

Presenter: DUVERNOIS, Michael (University of Wisconsin–Madison)

Session Classification: Detector

Contribution ID: **10**

Type: **not specified**

IceCube Upgrade

Tuesday, 6 June 2023 09:30 (30 minutes)

Primary author: DUVERNOIS, Michael (University of Wisconsin–Madison)

Presenter: DUVERNOIS, Michael (University of Wisconsin–Madison)

Session Classification: Detector

Contribution ID: **11**

Type: **not specified**

Intro to IceTray

Tuesday, 6 June 2023 10:30 (1h 30m)

Primary author: MEAGHER, Kevin (University of Wisconsin–Madison)

Presenter: MEAGHER, Kevin (University of Wisconsin–Madison)

Session Classification: Software

Contribution ID: **12**

Type: **not specified**

I3 File Tools & SteamShovel

Tuesday, 6 June 2023 13:00 (1 hour)

Primary author: MEAGHER, Kevin (University of Wisconsin–Madison)

Presenter: MEAGHER, Kevin (University of Wisconsin–Madison)

Session Classification: Software

Contribution ID: **13**

Type: **not specified**

GitHub Tutorial

Tuesday, 6 June 2023 14:30 (1 hour)

Primary author: BALAGOPAL V, Aswathi (UW-Madison)

Presenter: BALAGOPAL V, Aswathi (UW-Madison)

Session Classification: Computing

Contribution ID: **14**

Type: **not specified**

Early Career Scientists

Wednesday, 7 June 2023 14:15 (15 minutes)

Primary author: MOULAI, Marjon (University of Wisconsin, Madison)

Presenter: MOULAI, Marjon (University of Wisconsin, Madison)

Session Classification: Early Career Scientists

Contribution ID: 15

Type: **not specified**

Diffuse neutrinos - from TeV to EeV

Wednesday, 7 June 2023 10:30 (30 minutes)

Primary author: LU, Lu (University of Wisconsin–Madison)

Presenter: LU, Lu (University of Wisconsin–Madison)

Session Classification: Physics

Contribution ID: **16**

Type: **not specified**

Cosmic Rays

Wednesday, 7 June 2023 09:30 (30 minutes)

Primary author: DESIATI, Paolo (University of Wisconsin–Madison)

Presenter: DESIATI, Paolo (University of Wisconsin–Madison)

Session Classification: Physics

Contribution ID: 17

Type: **not specified**

Detector Physics

Wednesday, 7 June 2023 11:00 (30 minutes)

Primary author: VANDENBROUCKE, Justin (University of Wisconsin–Madison)

Presenter: VANDENBROUCKE, Justin (University of Wisconsin–Madison)

Session Classification: Physics

Contribution ID: **18**

Type: **not specified**

Intro to Stats

Tuesday, 6 June 2023 15:30 (1 hour)

Primary author: BASU, Vedant (University of Wisconsin–Madison)

Presenter: BASU, Vedant (University of Wisconsin–Madison)

Session Classification: Statistics

Contribution ID: **19**

Type: **not specified**

Advanced Stats

Wednesday, 7 June 2023 11:30 (1 hour)

Primary author: HARDIN, John (Massachusetts Institute of Technology)

Presenter: HARDIN, John (Massachusetts Institute of Technology)

Session Classification: Statistics

Contribution ID: **20**

Type: **not specified**

Calibration and Ice Models

Wednesday, 7 June 2023 14:30 (2 hours)

Primary author: WILLIAMS, Dawn (University of Alabama)

Presenter: WILLIAMS, Dawn (University of Alabama)

Session Classification: Detector

Contribution ID: **21**

Type: **not specified**

Neutrino detection with radio antennas

Thursday, 8 June 2023 09:30 (30 minutes)

Primary author: BISHOP, Abigail (University of Wisconsin–Madison)

Presenter: BISHOP, Abigail (University of Wisconsin–Madison)

Session Classification: Physics

Contribution ID: 22

Type: **not specified**

Analyses in IceCube

Thursday, 8 June 2023 10:00 (30 minutes)

Primary author: ERPENBECK, Hannah (RWTH Aachen University)

Presenter: ERPENBECK, Hannah (RWTH Aachen University)

Session Classification: Physics

Contribution ID: 23

Type: **not specified**

Distributed Computing - NPX

Thursday, 8 June 2023 11:00 (1h 20m)

Primary author: SCHULTZ, David (University of Wisconsin–Madison)

Presenter: SCHULTZ, David (University of Wisconsin–Madison)

Session Classification: Computing

Contribution ID: 24

Type: **not specified**

Using the Grid

Thursday, 8 June 2023 13:20 (40 minutes)

Primary author: SCHULTZ, David (University of Wisconsin–Madison)

Presenter: SCHULTZ, David (University of Wisconsin–Madison)

Session Classification: Computing

Contribution ID: 25

Type: **not specified**

Point sources

Thursday, 8 June 2023 14:00 (30 minutes)

Primary author: OSBORN, Jesse (University of Wisconsin - Madison)

Presenter: OSBORN, Jesse (University of Wisconsin - Madison)

Session Classification: Point source exercise

Contribution ID: 26

Type: **not specified**

Point source exercise - worktime

Thursday, 8 June 2023 14:45 (1h 15m)

Primary author: OSBORN, Jesse (University of Wisconsin - Madison)

Co-author: SAVINA, Pierpaolo (University of Wisconsin–Madison)

Presenters: OSBORN, Jesse (University of Wisconsin - Madison); SAVINA, Pierpaolo (University of Wisconsin–Madison)

Session Classification: Point source exercise

Contribution ID: 27

Type: **not specified**

Event Selections

Friday, 9 June 2023 09:00 (30 minutes)

Primary author: MOULAI, Marjon (University of Wisconsin, Madison)

Presenter: MOULAI, Marjon (University of Wisconsin, Madison)

Session Classification: Detector

Contribution ID: **28**

Type: **not specified**

IceCube-Gen2

Friday, 9 June 2023 09:30 (30 minutes)

Primary author: KARLE, Albrecht (University of Wisconsin–Madison)

Presenter: KARLE, Albrecht (University of Wisconsin–Madison)

Session Classification: Detector

Contribution ID: **29**

Type: **not specified**

Filtering

Friday, 9 June 2023 10:30 (30 minutes)

Primary author: BLAUFUSS, Erik (University of Maryland)

Presenter: BLAUFUSS, Erik (University of Maryland)

Session Classification: Detector

Contribution ID: **30**

Type: **not specified**

Event Reconstructions

Friday, 9 June 2023 11:00 (30 minutes)

Primary author: YUAN, Tianlu (University of Wisconsin–Madison)

Presenter: YUAN, Tianlu (University of Wisconsin–Madison)

Session Classification: Detector

Contribution ID: **31**

Type: **not specified**

Simulation

Friday, 9 June 2023 11:30 (30 minutes)

Primary author: Dr DÍAZ VÉLEZ, Juan Carlos (University of Wisconsin–Madison)

Presenter: Dr DÍAZ VÉLEZ, Juan Carlos (University of Wisconsin–Madison)

Session Classification: Software

Contribution ID: 32

Type: **not specified**

Diffuse exercise

Friday, 9 June 2023 13:00 (30 minutes)

Primary author: BASU, Vedant (University of Wisconsin–Madison)

Co-author: ERPENBECK, Hannah (RWTH Aachen University)

Presenters: ERPENBECK, Hannah (RWTH Aachen University); BASU, Vedant (University of Wisconsin–Madison)

Session Classification: Diffuse exercise

Contribution ID: 33

Type: **not specified**

Diffuse exercise - worktime

Friday, 9 June 2023 13:45 (1h 15m)

Primary author: BASU, Vedant (University of Wisconsin–Madison)

Co-author: ERPENBECK, Hannah (RWTH Aachen University)

Presenters: ERPENBECK, Hannah (RWTH Aachen University); BASU, Vedant (University of Wisconsin–Madison)

Session Classification: Diffuse exercise

Contribution ID: **34**

Type: **not specified**

Poster presentation

Wednesday, 7 June 2023 14:10 (5 minutes)

Primary author: STANLEY, Rae

Presenter: STANLEY, Rae

Session Classification: Early Career Scientists

Contribution ID: 35

Type: **not specified**

Terrace Welcome

Monday, 5 June 2023 16:00 (2 hours)

Join us at the Terrace for an informal welcome-to-Madison!

Google Maps to the Terrace: <https://goo.gl/maps/amUTx4SeLM87DC166>

Session Classification: Social events

Contribution ID: **36**

Type: **not specified**

Board game night

Thursday, 8 June 2023 18:00 (2 hours)

Join us for an informal board game night!

Held at the physics department (Chamberlin hall): <https://goo.gl/maps/XrFb5htFS7zzX2T56>

Session Classification: Social events

Contribution ID: 37

Type: **not specified**

Group photo!

Wednesday, 7 June 2023 12:30 (15 minutes)