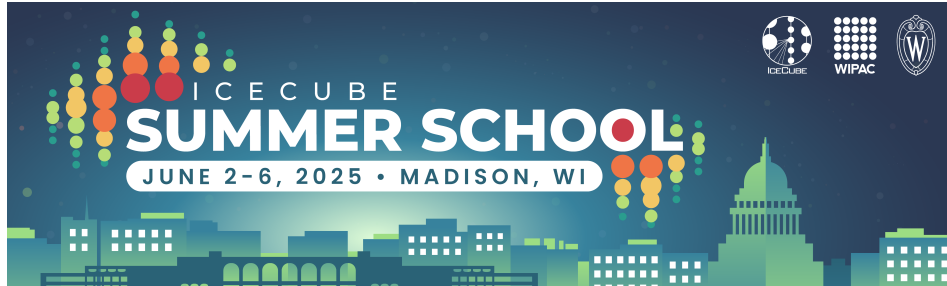


IceCube Summer School 2025



Report of Contributions

Contribution ID: 1

Type: **not specified**

IceCube Detector

Monday, 2 June 2025 09:50 (40 minutes)

Jim Braun

Presenter: BRAUN, Jim (University of Wisconsin–Madison)

Session Classification: Detector and Calibration

Contribution ID: 2

Type: **not specified**

Neutrino Physics

Monday, 2 June 2025 11:00 (40 minutes)

Presenter: BALANTEKIN, Baha

Session Classification: Physics

Contribution ID: 3

Type: **not specified**

Cosmic rays

Monday, 2 June 2025 13:00 (40 minutes)

Presenter: KOUNDAL, Paras (Bartol Research Institute, University of Delaware)

Session Classification: Physics

Contribution ID: 4

Type: **not specified**

BSM physics with IceCube (including dark matter)

Monday, 2 June 2025 13:40 (40 minutes)

Presenter: HOOPER, Dan

Session Classification: Physics

Contribution ID: 5

Type: **not specified**

Intro to Python

Monday, 2 June 2025 14:50 (1 hour)

Presenter: MAND, Alicia (University of Wisconsin - Madison)

Session Classification: Workshop

Contribution ID: 6

Type: **not specified**

IceCube Science

Monday, 2 June 2025 09:10 (40 minutes)

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

Session Classification: Physics

Contribution ID: 7

Type: **not specified**

Icecube upgrade talk

Thursday, 5 June 2025 10:50 (40 minutes)

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

Session Classification: Detector and Calibration

Contribution ID: 9

Type: **not specified**

Diffuse neutrinos - from TeV to EeV

Tuesday, 3 June 2025 10:50 (40 minutes)

Lu Lu

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

Session Classification: Physics

Contribution ID: 13

Type: **not specified**

Cosmic ray anisotropy

Tuesday, 3 June 2025 09:40 (40 minutes)

Presenter: ZILBERMAN, Perri (University of Wisconsin - Madison)

Session Classification: Physics

Contribution ID: **16**

Type: **not specified**

Detector Physics

Tuesday, 3 June 2025 13:00 (40 minutes)

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

Session Classification: Detector and Calibration

Contribution ID: 17

Type: **not specified**

Github talk

Tuesday, 3 June 2025 13:40 (40 minutes)

Presenter: THWAITES, Jessie (University of Wisconsin–Madison)

Session Classification: Software and computing

Contribution ID: **19**

Type: **not specified**

JupyterHub, NPX, Grid, Github

Tuesday, 3 June 2025 14:50 (1 hour)

Presenter: THWAITES, Jessie (University of Wisconsin–Madison)

Session Classification: Workshop

Contribution ID: **20**

Type: **not specified**

Multimessenger

Wednesday, 4 June 2025 09:00 (40 minutes)

Presenter: PARTENHEIMER, Angelina (UW-Madison)

Session Classification: Physics

Contribution ID: **21**

Type: **not specified**

Neutrino sources

Wednesday, 4 June 2025 10:50 (40 minutes)

Presenter: BHATTACHARYA, Mukul

Session Classification: Physics

Contribution ID: 23

Type: **not specified**

Astrophysics of compact objects

Wednesday, 4 June 2025 09:40 (40 minutes)

Presenter: STONE, Nick

Session Classification: Physics

Contribution ID: 26

Type: **not specified**

Neutrinos in Radio Waves

Wednesday, 4 June 2025 13:00 (40 minutes)

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

Session Classification: Physics

Contribution ID: 27

Type: **not specified**

Icetray talk

Wednesday, 4 June 2025 13:40 (40 minutes)

Presenter: ERPENBECK, Hannah (UW-Madison)

Session Classification: Software and computing

Contribution ID: 29

Type: **not specified**

I3 File Tools & SteamShovel

Wednesday, 4 June 2025 14:50 (1 hour)

Presenters: ERPENBECK, Hannah (UW-Madison); NAKOS, Maxwell

Session Classification: Workshop

Contribution ID: **30**

Type: **not specified**

IceCube Event Selections

Thursday, 5 June 2025 09:00 (40 minutes)

Presenter: RECHAV, Zoe (University of Wisconsin–Madison)

Session Classification: Data and Analysis

Contribution ID: **31**

Type: **not specified**

winterover: Life at the South Pole

Tuesday, 3 June 2025 09:00 (40 minutes)

Presenter: MAKINO, Yuya (University of Wisconsin–Madison)

Session Classification: Detector and Calibration

Contribution ID: 33

Type: **not specified**

IceCube Analyses

Thursday, 5 June 2025 09:40 (40 minutes)

Presenter: YILDIZCI, Emre (University of Wisconsin-Madison)

Session Classification: Data and Analysis

Contribution ID: 35

Type: **not specified**

Machine Learning and Neural Networks, and exercise

Thursday, 5 June 2025 13:00 (1h 30m)

Presenter: PETERSON, Josh (University of Wisconsin–Madison)

Session Classification: Workshop

Contribution ID: 37

Type: **not specified**

charge collection, digitization, and processing/filtering at the Pole

Thursday, 5 June 2025 15:00 (40 minutes)

Presenter: GARCIA, Miles (University of Delaware)

Session Classification: Detector and Calibration

Contribution ID: **38**

Type: **not specified**

IceCube Simulation

Friday, 6 June 2025 09:00 (40 minutes)

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

Session Classification: Data and Analysis

Contribution ID: 39

Type: **not specified**

IceCube Calibration & Ice Models

Friday, 6 June 2025 09:40 (40 minutes)

Presenter: Mr CHIRKIN, Dmitry (University of Wisconsin–Madison)

Session Classification: Detector and Calibration

Contribution ID: 41

Type: **not specified**

Event Reconstructions

Friday, 6 June 2025 10:50 (40 minutes)

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

Session Classification: Data and Analysis

Contribution ID: 43

Type: **not specified**

Diffuse Exercise

Friday, 6 June 2025 13:00 (1 hour)

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

Session Classification: Workshop