

AGENDA

IceCube Neutrino Observatory

Maintenance & Operations Mid-Term Panel Review

222 West Washington Avenue, Suite 500, Madison, WI 53703

<https://wipac.wisc.edu/about/contact>

Event registration for in-person participation: [link](#)

WIPAC logistics contact: [Alexandra Fleagle](#)

Monday, April 29, 2024 (Time CDT)

08:00 – 08:15 Coffee/tea, snacks

08:15 – 08:30 Introductions, panel overview, logistics (**Don Hartill & William Wester**)

08:30 – 10:00 ICNO Science and Technical Management (Don Hartill)

- a) Science Overview (20+5 min) – **Francis Halzen**
- b) IceCube Collaboration (20+5 min) – **Ignacio Taboada**
- c) Education & Outreach (15+5 min) – **James Madsen**
- d) Analysis coordination and publications (15+5 min) – **Naoko Kurahashi Neilson**

10:00 – 10:20 Coffee/tea break

10:20 – 12:20 ICNO Operations (Jim Annis)

- a) ICNO systems architecture – IceCube and IceTop, data flow, triggering and filtering (10+5 min) – **John Kelley**
- b) Detector performance and on-site maintenance — hardware, data acquisition and monitoring, upgrades incl. surface detectors, IceACT, and ARA (20+5 min) – **Matt Kauer**
- c) Data management (hardware & software, local & remote computing) (15+5 min) — **Benedikt Riedel**
- d) Simulation, offline data processing, and data releases (15+5) – **Juan Carlos Díaz-Vélez**
- e) Detector calibration — ongoing improvements and plans for the IceCube Upgrade (15+5 min) – **Dawn Williams**
- f) Software and multi-messenger real-time operations (15+5 min) – **Erik Blaufuss**

12:20 – 13:10 Lunch Break

13:10 – 14:30 ICNO Project Administrative Management (Richard Armstrong)

- a) ICNO Advisory Bodies: International Oversight and Finance Group, Science Advisory Committee, Software & Computing Advisory Panel (10+5 min) – **Albrecht Karle**
- b) Project organizational structure, financial status, and U.S. and in-kind contributions (20+5 min) – **John Kelley / Laura Mercier**

- c) Change Management – software, detector configuration, data processing (15+5 min) – **Erik Blaufuss / John Kelley**
- d) Coordination with NSF and Antarctic Support Contractor, and South Pole logistics (15+5 min) – **Matt Kauer**

14:30 – 14:50 Coffee/tea break

14:50 – 16:00 ICNO Upgrade Integration

- a) IceCube Upgrade progress – Field Season 1 results and preparation for Field Season 2 (20+5 min) – **Vivian O’Dell**
- b) Integration of the IceCube Upgrade’s seven new strings into the ICNO data acquisition system (20+5 min) – **Jim Braun**
- c) Towards unified IceCube and IceCube Upgrade Operations (15+5 min) – **John Kelley**

16:00 – 17:00 Executive Session (discussion, wrap-up, homework assignments) Panel & NSF

17:00 – 17:40 Meeting with Project for homework assignments

17:40 Adjourn

19:00 – 21:00 Dinner (Sardine, [617 Williamson St.](#), reservation under Kelley)

Tuesday, April 30, 2024 (Time CDT)

08:00 – 08:30 Coffee/tea and snacks

08:30 – 10:30 Response from Project to homework assignments

10:30 – 11:30 Executive Session (work on the panel's summary)

11:30 – 12:30 Q & A and concluding discussion with the Project.

12:30 – 13:00 Lunch

13:00 Adjourn

Teleconference Information

Topic: ICNO M&O Meeting

Description: Maintenance & Operations Mid-Term Panel Review

Time: April 29-30, 2024, 8:00 AM Central Daylight Time (U.S. and Canada)

Join ZoomGov Meeting

<https://nsf.zoomgov.com/j/1601884851?pwd=MzBBTDhTYjhPTUgzaDgyMlFENW5ZQT09>

Meeting ID: 160 188 4851

Passcode: 202609

DocuShare directory with presentations and other materials:

<https://docushare.icecube.wisc.edu/dsweb/View/Collection-16957>