

The 4th Workshop on New Physics Opportunities at Neutrino Facilities

3–5 Jun 2024
IBS
Asia/Seoul timezone



DAEJEON Tourism Organization



Welcome to Daejeon, Korea!

Workshop venue



Workshop venue



Past conferences

New Opportunities at the Next Generation Neutrino Experiments

12-13 April 2019
University of Texas, Arlington
US/Central timezone



Current version of the
White Paper
White Paper Endorsement
Current List of Endorsers
List of Workshop
Participants

Workshop Overview

Timetable
Contribution List
Workshop Photos
Transportation
Local Hotel Information
Workshop Dinner
Venue and Parking Info.
Junior Physicist Travel
Support Application
Organization Committees

Contact: Jae Yu

✉ jaeoonyu1@gmail.com



This 1.75 day workshop is to explore new opportunities - Beyond the Standard Model - at the next generation neutrino experiments, e.g. DUNE, Super-K/HyperK, SBN and IceCube/DeepCore/PINGU.

Of the many BSM topics, in order to maximize the workshop to accomplish the goal of devising a

The 1st workshop kicked off at
Arlington, TX, USA.

Explore [new opportunities](#) - Beyond
the Standard Model - at the next
generation neutrino experiments,
e.g., DUNE, SK/HK, SBNP, IceCube.

A well-balanced mixture of theorists and experimentalists will work together to exchange ideas for various BSM opportunities and to discuss tasks necessary to support the timely exploitation of these opportunities.

Past conferences

IOP Publishing

Reports on Progress in Physics

Rep. Prog. Phys. **83** (2020) 124201 (33pp)

<https://doi.org/10.1088/1361-6633/ab9d12>

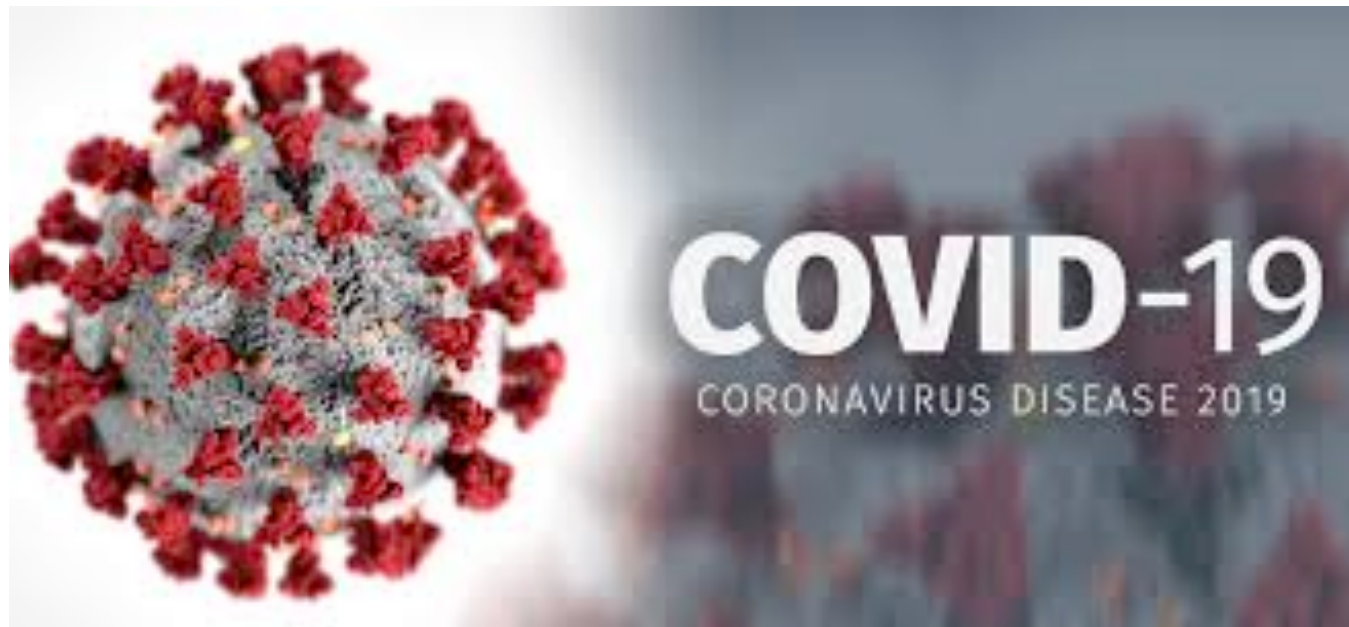
Report on Progress

New opportunities at the next-generation neutrino experiments I: BSM neutrino physics and dark matter

C A Argüelles¹, A J Aurisano², B Batell³, J Berger³, M Bishai⁴, T Boschi⁵,
N Byrnes⁶, A Chatterjee^{3,6}, A Chodos⁶, T Coan⁷, Y Cui⁸ , A de Gouvêa^{9,†},
P B Denton^{4,†}, A De Roeck^{10,†}, W Flanagan¹¹, D V Forero¹²,
R P Gandrajula¹³, A Hatzikoutelis¹⁴, M Hostert^{15,16}, B Jones⁶, B J Kayser¹⁷,
K J Kelly¹⁷, D Kim^{18,19}, J Kopp^{10,20}, A Kubik¹⁹, K Lang²¹, I Lepetic²²,
P A N Machado^{17,†}, C A Moura²³, F Olness⁷, J C Park²⁴, S Pascoli¹⁵,
S Prakash¹², L Rogers⁶, I Safa²⁵, A Schneider²⁵, K Scholberg²⁶,
S Shin^{27,28,29}, I M Shoemaker³⁰, G Sinev²⁶, B Smithers⁶, A Sousa^{2,†},
Y Sui³¹, V Takhistov³², J Thomas³³, J Todd², Y-D Tsai^{17,34}, Y-T Tsai³⁵,
J Yu^{6,*}  and C Zhang⁴

Past conferences

But in 2020 - 2021



We skipped the meetings.

Past conferences

Snowmass Joint Workshop on New Physics Opportunities with Neutrino Experiments: Theoretical & Experimental Perspectives

Feb 10 – 12, 2022
US/Eastern timezone

Enter your search term



Overview

Registration

Participant List

Timetable

Organizing Committee

Code of Conduct

Workshop Photo

Support

✉ ard165@pitt.edu

☎ 4127787245

Zoom connection:

Plenary and writing/working group sessions (Same room Thursday-Saturday):

<https://pitt.zoom.us/j/92800065883>

Parallel session 1: Accelerators/Short Baselines (Friday)

<https://pitt.zoom.us/s/99215457262>

Parallel session 2: Astrophysical Neutrinos (Friday)

<https://pitt.zoom.us/s/92915637579>

Parallel session 3: Reactors and more (Friday)

<https://pitt.zoom.us/s/96924777862>

The passcode for all zoom rooms is "snowmass" (no quotes)

Virtual meeting in 2022

Past conferences



**PHYSICS
OPPORTUNITIES
2023**

3rd New Physics Opportunities at
Neutrino Facilities Workshop:
Astrophysical Neutrinos

Jul 11 – 13, 2023

SLAC

America/Los_Angeles timezone

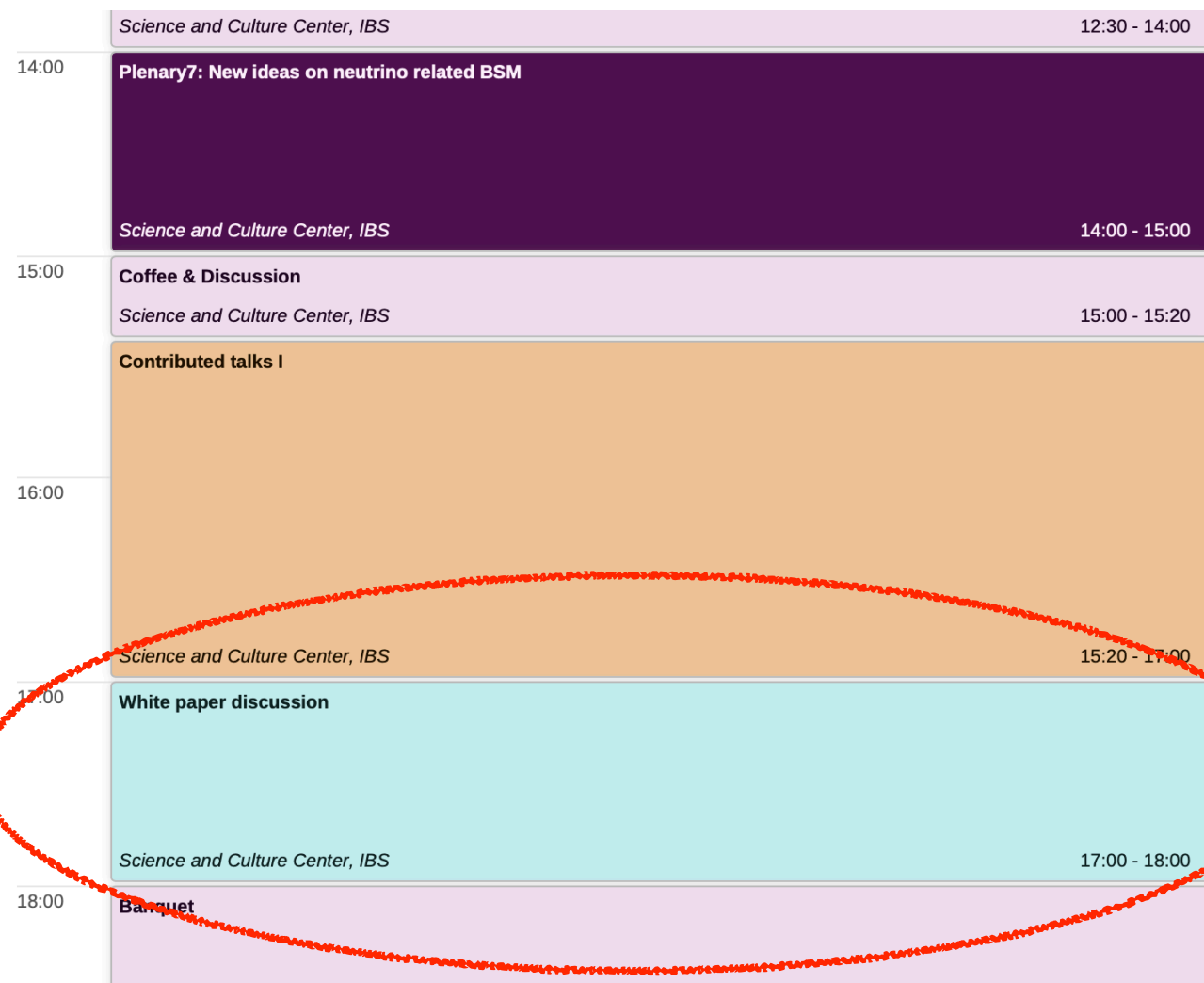
Enter your search term



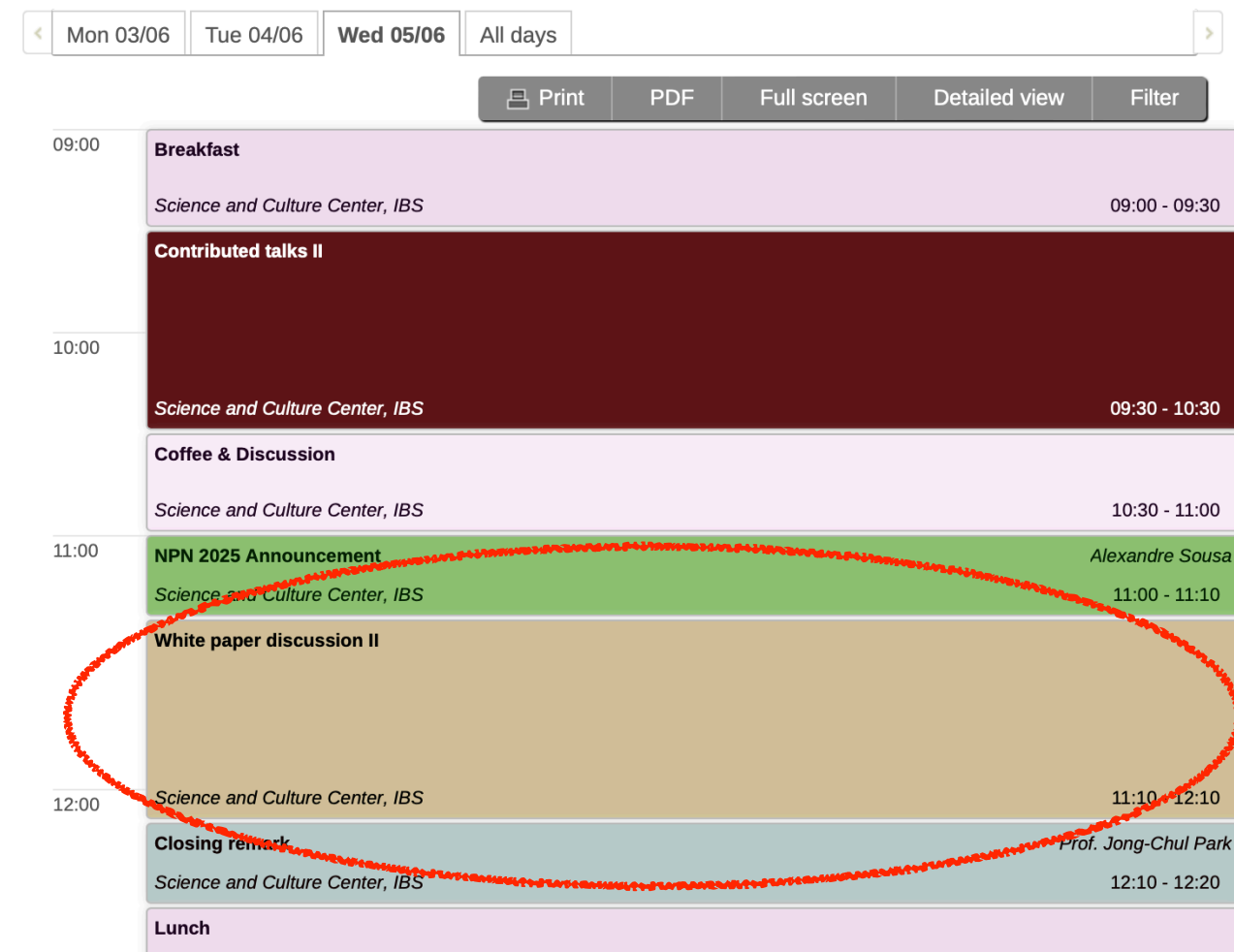
In person + virtual in 2023

White paper discussion

Tuesday 17:00 - 18:00



Wednesday 11:10 - 12:10



Key structure of the white paper: details later

Announcements

- Please upload your talk slides to the IBS indico **before** your talk in advance.
- **Lunch** will be provided in the IBS cafeteria everyday: **PLEASE KEEP YOUR NAMETAG and Coupon** to pass the security area.
- Coffee break and discussion (2nd floor): 6 coffee coupons can be used to get beverages during the coffee break.
 - Americano, Caffe Latte, Lemonade, Iced Tea.
- **Conference Photo** on Tue (4th) at 15:00 PM!
- Emergency contact: 010-2950-4662 (Seodong Shin)
010-3650-1079 (Jong-Chul Park)

Social Events

- There are extra tables and chairs for discussion in the 3rd floor.
- Dinner today: follow Koun Choi
- **Banquet** tomorrow (Tue, June 4th) in the 3rd floor



Let the workshop begin!!