

NuFact 2022

Salt Lake City, Utah, United States

July 31st – Aug. 6th, 2022

The 23rd International Workshop on Neutrinos from Accelerators

LOCAL ORGANIZING COMMITTEE

Rebecca Corley (University of Utah)
Paolo Gondolo (University of Utah)
Carsten Rott (Co-chair, University of Utah)
Pearl Sandick (University of Utah)
Joshua Spitz (University of Michigan)
Yue Zhao (Co-chair, University of Utah)

PROGRAM ADVISORY COMMITTEE

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Roumen Tsenov (University of Sofia, Bulgaria)
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Yifan Wang (IHEP, China)
John Womersley (ESS, Sweden)

WORKING GROUP CONVENERS

WG1: Neutrino Oscillations

Adam Aurisano (University of Cincinnati, USA)
Mark Scott (Imperial College, UK)
Jian Tang (Sun Yat-Sen University, China)

WG2: Neutrino Scattering Physics

Adi Ashkenzi (Tel Aviv University, Israel)
Tatsuya Kikawa (Kyoto University, Japan)
Raúl González Jiménez (Complutense University of Madrid, Spain)

WG3: Accelerator Physics

Natalia Milas (ESS, Sweden)
Tsunayuki Matsubara (J-PARC, KEK)
Kastsuya Yonehara (FNAL, USA)

WG4: Muon Physics

Yuki Fujii (University of Monash, Australia)
Gavin Hesketh (University College, London)
Yuri Okuzian (ANL, USA)

WG5: Neutrinos beyond PMNS

Koun Choi (IBS, CUP, South Korea)
Richard Ruiz (UC Louvain, Belgium)
Ian Shoemaker (Virginia Tech, USA)

WG6: Detectors

Jonathan Asaadi (University of Texas, USA)
Davide Sgalaberna (CERN, Switzerland)
Nishimura Yasuhiro (Keio University, Japan)

WG7: Inclusion, Diversity, Equity,

Education, & Outreach

Ellen Bechtol (UW Madison, USA)
Francesca Dordei (INFN, Cagliari, Italy)
Nagisa Hiroshima (University of Toyama, Japan)

SCIENTIFIC PROGRAM COMMITTEE

Sanjib Kumar Agarwalla (Institute of Physics, Bhubaneswar, India; University of Wisconsin-Madison)
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Craig Group (University of Virginia, USA)
Deborah Harris (FNAL/York University, USA)
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Patrick Huber (Virginia Tech., USA)
Natalie Jachowicz (Ghent University, Belgium)
Ernesto Kemp (UNICAMP, Brazil)
Takashi Kobayashi (KEK, Japan)
Tadashi Koseki (KEK, Japan)
Yoshitaka Kuno (Osaka University, Japan)
Myeongjae Lee (IBS, Korea)
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Francesco Terranova (University of Milano-Bicocca, Italy)
Frederik Wauters (University of Mainz, Germany)
Un-ki Yang (Seoul National University, Korea)



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Thanks !

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- Meghan Webb

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Thanks !

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- Yuxin Liu

Thanks to our tour guides

- JiHyun Kim
- Charlie Jui
- John Matthews
- Zane Gerber
- Joshua Bartkoske



Poster Prizes

- **1st prize:**
 - **Julia Book** - [Measurement of double-differential cross sections for mesonless charged-current neutrino scattering on argon with MicroBooNE](#)
 - **Matt Solt** - [LDMX: The Light Dark Matter eXperiment](#)
- **3rd prize:**
 - **Jihyun Kim** - [Detectors of the Telescope Array Experiment](#)

Presentation Awards

Presentation awards were selected by working group leaders and/or a selection committee appointed by them

Presentation Award Winners:

- **Supraja Balasubramanian** “Beyond the Standard Model Searches with the Short Baseline Near Detector (SBND)”
- **Brynn MacCoy** “Fermilab muon g-2 experiment”
- **Steven Boi** “Fermilab's Muon Campus: Status, Experiments, and Future”
- **Adam Lowe** “ARIADNE+: Large Scale Demonstration of Fast Optical Readout for Dual Phase LArTPCs at the CERN Neutrino Platform”
- **Anders Knospe** “LGBTQ+ Inclusivity in Physics and Beyond”
- ... 2x TBD

Proceeding of NuFact

Proceedings of NuFACT 2022 will be published.

Page limits for the proceedings will be as follows:

Plenary talks : 8 pages (+ front page)

Parallel talks & Posters: 4 pages (+ front page)

[The website of the proceedings can be found here.](#)

[Click here for more information about the journal
"Instruments" by MDPI.](#)

The deadline for submission is **November 25, 2022.**

Speakers and presenters will be provided with instructions for submission.

SPC meeting summary

- Agenda:
 - Feedback on the NuFact 2022 workshop
 - Selection of the venue for NuFact 2023

SPC meeting summary

- **Some of the conclusions from the discussions at the SPC (Scientific Program Committee) meeting:**
 - Include Working Group #7 (IDEEO) as part of the plenary sessions
 - Minimize clashes between WG7 sessions and science parallel sessions
 - Continue to enable remote participation to make the workshop more accessible
 - Try to get more feedback on time zones of remote participants to arrange parallel session more effectively for remote speakers
 - Avoid repetition of results for example through more joined working group sessions
 - Need for more discussion time - consider “Reserve discussion time for specific topics, conveners could prepare a whiteboard of hot topics”
 - Consider appointing early career representatives to the SPC
 - Replace inactive SPC members
 - Consider bringing back the NuFact School
 - Make a list of open topics that gets carried over between NuFact workshops. Carry forward the open questions for each working group and have them posted (This has been a tradition of NuFact)
 - Consider a working group convener structure of 3+1, with one additional member selected from early career scientists
 - Consider collecting participant's information at the registration, aiming to survey the diversity and equality, then follow up the progress of this aspect as NuFact community
 - Decided to select future venues two years in advance to allow more time for planning

Your feedback is essential to improve the NuFact workshop series !!

You will receive a survey in the near future and we very much appreciate your feedback !