# Kenneth G. Wilson Award

*for Excellence in Lattice Field Theory*

**2024**


https://kwla.llnl.gov/

**The award is presented each year at the Lattice International Conference, recognizing early-career researchers for their outstanding contributions in lattice field theory.**

Researchers who are within seven years of completing their PhD at the time of initial nomination, with suitable adjustment in cases with career breaks. Nominations are reviewed in the year received and remain under consideration for up to two additional years.

Since its inception in 2011, the annual Kenneth G. Wilson Award for Excellence in Lattice Field Theory has recognized physicists who have made recent, outstanding contributions to lattice field theory.

- Antoine Gérardin (2023)
- Yong Zhao (2022)
- Maxwell T. Hansen (2021)
- Phiala Shanahan (2020)
- Luchang Jin (2019)
- Zohreh Davoudi (2018)
- Raul Briceno (2017)
- Antonin Portelli (2016)
- Stefan Meinel (2015)
- Gergely Endrődi (2014)
- André Walker-Loud (2013)

**2024 — ????**

- For this year’s award the International Advisory and Local Organizing Committees of Lattice 2024 appointed a Selection Committee: *Constantia Alexandrou, Maxwell Hansen, Takashi Kaneko, Liuming Liu, Stefan Meinel, Swagato Mukerjee, and Sasa Prelovsek*.

- The Selection Committee carefully evaluated 15 outstanding candidates, 7 of which were nominated for the first time, and sent their recommendation to IAC and LOC.

- IAC and LOC unanimously endorsed the Selection Committee’s recommendation.

# 2024 Kenneth G. Wilson Award for Excellence in Lattice Field Theory

## Dr. Michael Wagman

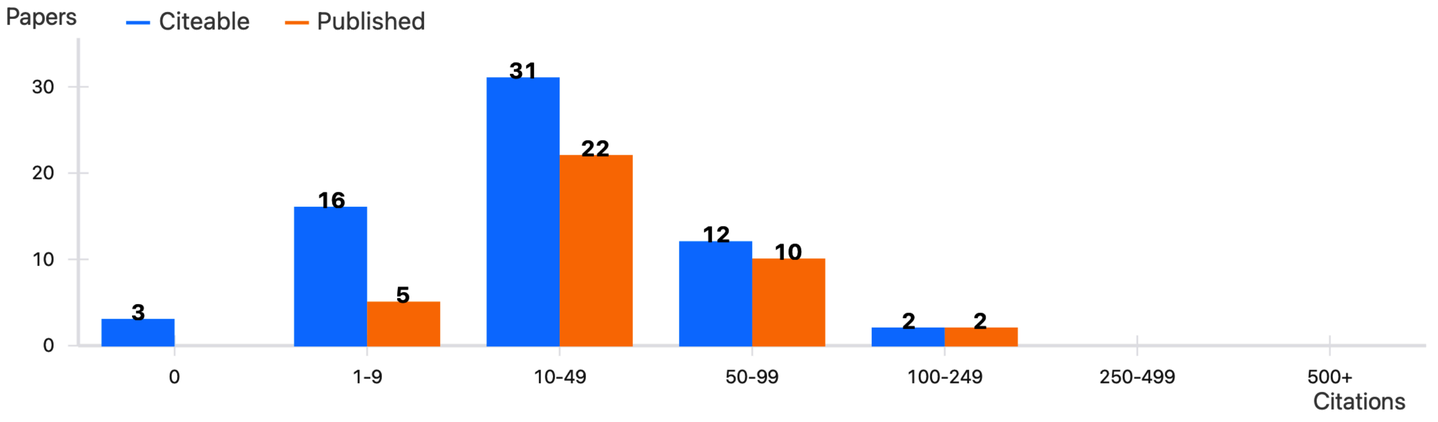
For key contributions to lattice QCD studies of noise reduction in nuclear systems, the structure of nuclei, and transverse-momentum dependent hadronic structure functions.

# Dr. Michael Wagman

- 2023-present
  **SENIOR,** Fermilab
- 2019-2023
  **JUNIOR,** Fermilab
- 2017-2019
  **POSTDOC,** MIT, Cambridge, CTP
- 2012-2017
  **PHD,** Washington U., Seattle
- 2008-2012
  **UNDERGRADUATE,** Brown U.

# Dr. Michael Wagman

| | Citeable | Published |
|---|---|---|
| Papers | **64** | **39** |
| Citations | **1,866** | **1,532** |
| h-index | **27** | **25** |
| Citations/paper (avg) | **29.2** | **39.3** |




# Dr. Michael Wagman

- Studies of noise and noise reduction in nucleon and nuclear correlation functions.
- The first reliable lattice QCD calculations of neutron-anti-neutron oscillations as a probe of baryon-number violation.
- Important contributions to calculations determining the structure of light nuclei and variational studies of two-baryon systems.
- First lattice QCD calculations of the rapidity anomalous dimension of transverse-momentum dependent parton distribution functions

# Dr. Michael Wagman

“When I'm not simulating the universe, I enjoy rock climbing, music, and yoga.”

https://sites.google.com/view/mwagman/home

# 2024 Kenneth G. Wilson Award

## *for Excellence in Lattice Field Theory*

## Dr. Michael Wagman

For key contributions to lattice QCD studies of noise reduction in nuclear systems, the structure of nuclei, and transverse-momentum dependent hadronic structure functions.

*Selection Committee*:

Swagato Mukherjee (Chair)
Constantia Alexandrou
Maxwell Hansen
Takashi Kaneko
Liuming Liu
Stefan Meinel
Saša Prelovšek

*Awarded at the*
41st International Symposium on Lattice Field Theory
Liverpool, 28th July - 3rd August 2024