



The 38th International Symposium on Lattice Field Theory

First Circular

February 23, 2021

The 38th International Symposium on Lattice Field Theory will be hosted by MIT with William Detmold and Phiala Shanahan as co-chairs. It will take place online from Monday, July 26th, 2021, to Friday, July 30th, 2021 with sessions scheduled to work for maximal cross-sections of participants distributed around the globe. The conference will be held using the [gather.town](#), [zoom](#) and [slack](#) platforms (more details will be provided on the conference website). Conference proceedings will be published by Proceedings of Science.

Contact Information

The conference website, which will be updated regularly: <https://indico.cern.ch/event/lattice21>
To contact us, please email lattice2021-registration@mit.edu

Important Deadlines

- Registration and abstract submission open: February 23rd
- Abstract submission ends: April 30th
- Early/Regular Registration ends: June 11th, \$70
- Student registration ends: June 11th, \$0 with advisor approval
- Late registration ends: July 25th, \$120

Program

The program will include plenary talks, parallel talks and a poster session, on the following topics:

- QCD at nonzero Temperature and Density
- Hadron Spectroscopy and Interactions
- Hadron Structure
- Standard Model Parameters
- QCD in searches for physics beyond the Standard Model
- Particle physics beyond the Standard Model
- Theoretical developments and applications beyond particle physics
- Vacuum Structure, Confinement, and Chiral Symmetry
- Algorithms (including Machine Learning, Quantum Computing, Tensor Networks)
- Software development and Machines

Committees

Local Organising Committee

William Detmold (co-chair, MIT)
Phiala Shanahan (co-chair, MIT)
Christopher Aubin (Fordham University)
Martha Constantinou (Temple University)
George Fleming (Yale University)
Jack Laiho (Syracuse University)
Meifeng Lin (Brookhaven National Lab)
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Gunnar Bali (University of Regensburg)
William Detmold (MIT)
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Huey-Wen Lin (Michigan State University)
Liuming Liu (IMP, Lanzhou)
Sinéad Ryan (Trinity College, Dublin)

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