



# Lattice 2023

## Monday, 31 July 2023

### Plenary session: Plenaries I - Ramsey Auditorium (09:00 - 10:30)

-Conveners: Sinead Ryan

time	[id] title	presenter
09:00	[308] Welcome to Lattice 2023	KRONFELD, Andreas
09:15	[307] Overview of hadron structure form lattice QCD	GAO, Xiang
10:00	[268] Flow-based sampling for lattice field theories	KANWAR, Gurtej

### Plenary session: Plenaries II - Ramsey Auditorium (11:00 - 12:00)

-Conveners: William Detmold

time	[id] title	presenter
11:00	[309] Representation and diversity within physics	IVIE, Rachel
11:30	[310] Outreach, Education, and DEI in Lattice QCD	LIN, Huey-Wen
11:45	[393] Introducing the Lattice Virtual Academy (LaVA)	BONANNO, Claudio

# Tuesday, 1 August 2023

## **Plenary session: Plenaries III - Ramsey Auditorium (09:00 - 10:30)**

-Conveners: C.-J. David Lin

time	[id] title	presenter
09:00	[311] Advances in algorithms for solvers and gauge generation	BOYLE, Peter
09:30	[312] Phase diagram at non-zero temperature and density	PASZTOR, Attila
10:00	[147] Lattice QCD calculation of the invisible decay $J/\psi \rightarrow \gamma\nu$	MENG, Yu

## **Plenary session: Plenaries IV - Ramsey Auditorium (11:00 - 12:00)**

-Conveners: Marina Marinkovic

time	[id] title	presenter
11:00	[314] Quantum simulations of lattice field theories	GRABOWSKA, Dorota
11:30	[315] Qudit-based quantum computing with SRF cavities at Fermilab	ROY, Tanay

# Wednesday, 2 August 2023

## Plenary session: Plenaries V - Ramsey Auditorium (11:00 - 12:00)

-Conveners: James Zanotti

time	[id] title	presenter
11:00	[316] Theory needs of neutrino experiments	ROCCO, Noemi
11:30	[353] Lattice QCD input for neutrino-nucleus scattering	GUPTA, Rajan

# Thursday, 3 August 2023

## **Plenary session: Plenaries VI - Ramsey Auditorium (09:00 - 10:30)**

-Conveners: Xu Feng

time	[id] title	presenter
09:00	[318] Hadron spectroscopy and few-body dynamics	HANLON, Andrew
09:30	[319] Transport and connection to heavy-ion collisions	SHU, Hai-Tao
10:00	[313] Isospin-breaking and electromagnetic corrections to weak decays	DI CARLO, Matteo

## **Plenary session: Plenaries VII - Ramsey Auditorium (11:00 - 12:00)**

-Conveners: Margarita Garcia-Perez

time	[id] title	presenter
11:00	[328] Hadronic contributions to the anomalous magnetic moment of the muon	GÉRARDIN, Antoine
11:30	[321] Renormalons in the renormalization of quasi-PDF matrix elements	ZHANG, Jianhui

# Friday, 4 August 2023

## **Plenary session: Plenaries VIII - Ramsey Auditorium (11:00 - 12:00)**

-Conveners: Weonjong Lee

time	[id] title	presenter
11:00	[326] Quark flavor physics with lattice QCD	MEINEL, Stefan
11:45	[327] The International Lattice Data Grid (ILDG)	DI RENZO, Francesco

## **Plenary session: Plenaries IX - Ramsey Auditorium (13:15 - 15:30)**

-Conveners: Simon Hands

time	[id] title	presenter
13:15	[329] Electroweak transitions involving resonances	LESKOVEC, Luka
13:45	[386] Speed of sound exceeding the conformal bound in dense 2-color QCD	ITOU, Etsuko
14:15	[387] Lattice quantum field theories beyond the Standard Model	LEE, JONG-WAN
14:45	[388] Exascale computing panel	JOO, Balint WINTER, Frank CLARK, Kate STEINBRECHER, Patrick
15:15	[389] Future Lattice announcements	HANDS, Simon

## **Plenary session: Plenaries X - Ramsey Auditorium (16:00 - 17:00)**

-Conveners: Ruth Van de Water

time	[id] title	presenter
16:00	[391] Muon $g-2$ : Lattice calculations of the hadronic vacuum polarization	KUBERSKI, Simon
16:30	[390] Muon $g-2$ : Status of the Fermilab experiment and of the dispersive approach	KESHAVARZI, Alexander