

The 39th International Symposium on Lattice Field Theory (Lattice 2022)

Tuesday, August 9, 2022

QCD in searches for physics beyond the Standard Model: QCD in searches for physics beyond the Standard Model I -

CP1-HSZ/Ground-0.001 - HS3 (2:00 PM - 4:00 PM)

-Conveners: Hartmut Wittig

time	[id] title	presenter
2:00 P	[M08] nEDM from the theta-term and chromoEDM operators	Dr BHATTACHARYA, Tanmoy
2:20 P	[M09] Neutron Electric Dipole Moment from the Theta Term with Overlap Fermions	LIU, Keh-Fei
2:40 P	[M11] Constraining Beyond The Standard Model Nucleon Isovector Charges	Ms SMAIL, Rose
3:00 P	[M07] Chiral extrapolation of hadronic vacuum polarization and isospin-breaking corrections	HOFERICHTER, Martin
3:20 P	[M01] Isospin breaking corrections to the vector-vector correlator in QCD: the muon g-2 and tau decays.	BRUNO, Mattia
3:40 P	[M22] The (g-2) intermediate window quantity from a coordinate-space method	PARRINO, Julian

QCD in searches for physics beyond the Standard Model: QCD in searches for physics beyond the Standard Model II -

CP1-HSZ/Ground-0.001 - HS3 (4:30 PM - 6:30 PM)

-Conveners: Steven Gottlieb

time	[id] title	presenter
4:30 P	[M81] Disconnected contribution to the LO HVP term of muon g-2 from ETMC	BACCHIO, Simone
4:50 P	[M82] Time windows of the muon HVP from twisted mass lattice QCD	GAGLIARDI, Giuseppe
5:10 P	[M17] Intermediate window observable for the hadronic vacuum polarization contribution to the muon $g-2$ from $O(a)$ improved Wilson quarks	KUBERSKI, Simon
5:30 P	[M51] The hadronic running of the electromagnetic coupling and electroweak mixing angle (Part I)	SAN JOSÉ PÉREZ, Miguel Teseo
5:50 P	[M59] The hadronic running of the electromagnetic coupling and electroweak mixing angle (Part II)	WITTIG, Hartmut SAN JOSÉ PÉREZ, Miguel Teseo

Thursday, August 11, 2022

QCD in searches for physics beyond the Standard Model: QCD in searches for physics beyond the Standard Model III - CP1-HSZ/Ground-0.001 - HS3 (9:00 AM - 11:00 AM)

-Conveners: Marcus Petschlies

time	[id] title	presenter
9:00 AM	[M43] A first look at the HVP from QCD and QCD+QED with C^* boundary conditions	GRUBER, Roman
9:20 AM	[M17] A first look at the HVP from QCD and QCD+QED with C^* boundary conditions II	ALTHERR, Anian
9:40 AM	[M14] Finite-Size Effects of the Hadronic Vacuum Polarization Contribution to the Muon $(g-2)$ with C^* Boundary Conditions	MARTINS, Sofie
10:00 AM	[M7] Probing the R-ratio on the lattice	DE SANTIS, Alessandro
10:20 AM	[M4] Renormalization of the quark chromomagnetic dipole operators in the gradient flow scheme at next-to-next-to-leading order QCD	HARLANDER, Robert
10:40 AM	[M6] Pion pole contributions to HLbL at the physical point	KANWAR, Gurtej

QCD in searches for physics beyond the Standard Model: QCD in searches for physics beyond the Standard Model IV - CP1-HSZ/Ground-0.001 - HS3 (11:30 AM - 12:50 PM)

-Conveners: Robert Harlander

time	[id] title	presenter
11:30 AM	[M0] Eta pole contributions to HLbL at the physical point	BURRI, Sebastian Andreas
11:50 AM	[M1] Rare $K^+ \rightarrow \pi^+ \ell \ell^-$ decays with physical mass light-quarks	HILL, Ryan
12:10 PM	[M4] Progress on the exploratory calculation of the rare Hyperon decay $\Sigma^+ \rightarrow p \ell \ell^-$	HODGSON, Raoul
12:30 PM	[M3] Finite-volume effects in a calculation of the rare Hyperon decay $\Sigma^+ \rightarrow p \ell \ell^-$	ERBEN, Felix

Friday, August 12, 2022

QCD in searches for physics beyond the Standard Model: QCD in searches for physics beyond the Standard Model V - CP1-HSZ/Ground-0.001 - HS3 (2:10 PM - 4:10 PM)

-Conveners: Carleton DeTar

time	[id] title	presenter
2:10 PM	[M091] Hadronic contribution to the running of the electromagnetic coupling constant	MUTZEL, Sophie
2:30 PM	[M09] Hadronic vacuum polarization from step scaling	FRECH, Fabian Justus
2:50 PM	[M33] Neutrinoless Double Beta Decay from Lattice QCD: The Short-Distance $\langle \pi^0 \rightarrow \pi^+ e^- e^- \rangle$ Amplitude	OARE, Patrick
3:10 PM	[M98] Preliminary Lattice QCD Study of $nn \rightarrow ppee$ Matrix Elements for Neutrinoless Double-Beta Decay	GREBE, Anthony
3:30 PM	[M74] Intermediate window observable for the muon g-2 from overlap valence quarks on staggered ensembles	KOTOV, Andrey
3:50 PM	[M79] Pseudoscalar transition form factors and the hadronic light-by-light contribution to the muon g-2	VERPLANKE, Willem

QCD in searches for physics beyond the Standard Model: QCD in searches for physics beyond the Standard Model VI - CP1-HSZ/Ground-0.001 - HS3 (4:40 PM - 6:40 PM)

-Conveners: Martin Hoferichter

time	[id] title	presenter
4:40 PM	[M23] Hadronic Vacuum Polarization: A Window on the muon g-2 mystery	GOTTLIEB, Steven
5:00 PM	[M18] Updates on the HVP computation from the BWM collaboration	TÓTH, Bálint
5:20 PM	[M31] Calculating the QED correction to the hadronic vacuum polarisation on the lattice	Mr SINHA RAY, Gaurav
5:40 PM	[M10] Muon g-2 with overlap valence fermions	WANG, Gen
6:00 PM	[M17] The muon anomalous magnetic moment with staggered fermions: is the lattice spacing small enough?	GOLTERMAN, Maarten
6:20 PM	[M7] RBC/UKQCD update of the HVP contribution to the muon g-2	LEHNER, Christoph