

Program Quantfunc - Valencia, September 02-06, 2024

	Long talks (30 +5 min)
	Short talks (20+5 min)

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-9:45	Registration /Welcome				
9:45-10:20	Mendes	Alkofer	Huber	Morgado	Skokov
10:20-10:55	Cucchieri	Krein	El-Bennich	Celi	Yin
10:55 - 11:25	coffee	coffee	coffee	coffee	coffee
11:25-12:00	Nogradi	M. Ferreira	Salas	Carignano	Miramontes
12:00-12:25	Pastor	B. Oliveira	E. Ferreira	Bermúdez	Fernández
12:25-12:35	Gao	Fu	Dalmonte		
12:35-13:00				Florio	A. Rodrigues
13:00-13:10	lunch	lunch	lunch	lunch	lunch
13:00-15:00					
15:00-15:35	Bulgarelli	Rodríguez	Wschebor	Manuel	
15:35-16:00	Bakircioglu	Wessely	Geissel	Sattler	
16:00-16:25	Tagliacozzo	Oevermann	Ye	Bersini	
16:25-16:35		coffee	coffee		
16:35 - 17:00	coffee			coffee	coffee
17:00-17:25	Rico	O. Oliveira	Reinosa	Debnath	
17:25-17:35					
17:35-18:00	Roose	de Soto	Silva		
18:00-18:10					
18:10-18:35		Santos	Garnacho		

Monday - Sept 02

9:00 - 9:45 - Registration and Opening

9:45- 10:20 - Tereza Mendes

Making Big Lattices Bigger: Bloch's Theorem and The Lattice Gluon Propagator (Part I)

10:20 - 10:55 - Attilio Cucchieri

Making Big Lattices Bigger: Bloch's Theorem and The Lattice Gluon Propagator (Part II)

10:55 -11:25 - Coffee Break

11:25 - 12:00 - Daniel Negradi
On the conformal window of SU(3)

12:00 - 12:25 - Álvaro Pastor Gutiérrez
Conformality, dynamical chiral symmetry breaking and confinement: cartography of strong dynamics

12:25 - 13:00 - Fei Gao
Quark pairing in sQGP induced by the non-Abelian feature of the interaction

13:00 -15:00 - **Lunch**

15:00 - 15:35 - Andrea Bulgarelli
Duality and entanglement in lattice gauge theories

15:35 - 16:00 - Dogukan Bakircioglu
Fermion doubling in quantum cellular automata for quantum electrodynamics

16:00- 16:35 Luca Tagliacozzo
On temporal entanglement and its measures and applications

16:35 - 17:00 - **Coffee Break**

17:00 - 17:35 - Enrique Rico Ortega
Noise-aware variational eigensolvers: a dissipative route for lattice gauge theories

17:35 - 18:10 - Gertjan Roose
Gauged Gaussian PEPS

Tuesday - Sept 03

9:45- 10:20 - Reinhard Alkofer
No planar degeneracy for the Landau gauge quark-gluon-vertex

10:20 - 10:55 - Gastão Krein
Dynamical chiral symmetry breaking and quark-antiquark entanglement in the quark condensate

10:55 -11:25 - **Coffee Break**

11:25 - 12:00 - Maurício Narciso Ferreira
Gluon mass gap through the Schwinger mechanism

12:00 - 12:25 - Bianca Maria Silveira de Oliveira
Infrared dynamics of the quark-gluon vertex in general kinematics

12:25 - 13:00 - Wei-jie Fu
Four-quark scatterings and quasi-PDA for pion from fRG

13:00 - 15:00 - **Lunch**

15:00 - 15:35 - José Rodríguez-Quintero
Complete analysis of the Landau-gauge three-gluon vertex from lattice QCD

15:35 - 16:00 - Jonas Wessely
The quark spectral function and (heavy) quark diffusion coefficients

16:00 - 16:25 - Eric Oevermann
QCD in 1+1 dimensions with the FRG: Four-fermion interactions from quark-gluon dynamics

16:25 - 17:00 - **Coffee Break**

17:00 - 17:35 - Orlando Oliveira
Three and four point correlation functions from lattice QCD in the Landau gauge

17:35 - 18:10 - Feliciano de Soto Borrero
Gluon three- and four-point vertices from quenched lattice QCD: planar degeneracy and strong coupling constant.

18:10 - 18:35 - Leonardo Rodrigues dos Santos
The four-gluon vertex in collinear and soft kinematics

Wednesday - Sept 04

9:45- 10:20 - Markus Huber
On the role of truncations of the 3PI effective action for glueball masses

10:20 - 10:55 - Bruno El-Bennich
Distribution and fragmentation functions of light and heavy mesons

10:55 -11:25 - **Coffee Break**

11:25 - 12:00 - Alexandre Salas-Bernárdez.
Supporting 3P_0 Quark-Pair Creation using Landau Gauge Green's Functions

12:00 - 12:25 - Eduardo Ferreira
Towards TMDs with contour deformations

12:25 - 13:00 – Marcello Dalmonte
Many-body magic in strongly correlated systems and lattice gauge theory

13:00 - 15:00 - Lunch

15:00 - 15:35 - Nicolás Wschebor Pellegrino;
Quark confinement in the Curci-Ferrari model

15:35 - 16:00 - Andreas Geissel;
Thermodynamics of color-superconducting quark matter

16:00 - 16:25 - Yunxin Ye
Dynamic criticality of chiral transition and QCD critical end point with real-time functional renormalization group

16:25 - 17:00 - Coffee Break

17:00 - 17:35 - Urko Reinosa
The center-symmetric Landau gauge meets the lattice

17:35 - 18:10 - Paulo Silva
Lattice gluon propagator in the center-symmetric Landau gauge

18:10 - 18:35 - Eduardo Garnacho Velasco (S12) - lattice
In- and out-of-equilibrium aspects of the Chiral Magnetic Effect

Thursday - Sept 05

9:45- 10:20 – Jose Manuel Morgado Chávez
The η_c meson in lattice QCD: short-distance factorization and light-cone correlators from Euclidean setups

10:20 - 10:55 - Alessio Celi
Quantum simulation/computation of non-Abelian gauge theories beyond 1D with finite resources

10:55 - 11:25 - Coffee Break

11:25 - 12:00 - Stefano Carignano
Loschmidt echo, emerging dual unitarity and scaling of generalized temporal entropies after quenches to the critical point

12:00 - 12:35 - Alejandro Bermúdez

Synthetic gauge fields in trapped-ion crystals: from background Peierls' phases to Z₂ gauge fields

12:35 - 13:10 - Adrien Florio
(New) physics from lower dimensions

13:10 - 15:00 - Lunch

15:00 - 15:35 - Cristina Manuel
The high temperature QCD static potential

15:35 - 16:00 - Franz Richard Sattler
Towards the phase diagram of QCD and its critical endpoint

16:00 - 16:35 - Jahmall Matteo Bersini
The θ -angle physics of 2-color QCD at finite density

16:35 - 17:00 - Coffee Break

17:00 - 17:25 - Manas Debnath
Shear and Bulk viscosity for the pure glue theory using an effective matrix model

Friday - Sept 06

9:45- 10:20 - Vladimir Skokov
Universal location of Yang-Lee edge singularity from Functional RG

10:20 - 10:55 - Shi Yin
The moat regime in QCD

10:55 - 11:25 - Coffee Break

11:25 - 12:00 - Ángel Miramontes
Heavy-Light meson spectroscopy beyond rainbow-ladder approach

12:00 - 12:35 - Luis Albino Fernández Rangel
Electro-Production of the $\Delta(1700)$ Resonance: Insights from Transition Form Factors in a Contact Interaction Framework

12:35 - 13:10 - Abigail Rodrigues Castro
Feasibility Study of Backward DVCS on Pion

13:10 - Lunch

