

Session Program

Mar 10 - 14, 2025



HADRONS 2025

Oral communications

Centro Cultural da UFRGS
Rua Eng. Luiz Englert, 333 - Porto Alegre-RS

Sun, March 9

4:30 PM

Oral communications: OC1

Session | Location: Centro Cultural da UFRGS, Rua Eng. Luiz Englert, 333 - Porto Alegre-RS

16:30 – 16:45	\$U_A(1)\$ symmetry breaking due to quark-antiquark interactions mediated by gluons Speaker Dr Fabio Braghin
16:45 – 17:00	Quark and proton anomalous magnetic moments in confining models Speaker Leticia Palhares
17:00 – 17:15	Nambu-Jona-Lasinio description of hadronic matter from a Bayesian approach Speaker Kau Dalfovo Marquez
17:15 – 17:30	Light pseudo-scalar meson mass: effect of temperature and magnetic field Speaker sidney avancini

5:30 PM

Mon, March 10

4:30 PM

Oral communications: OC2

Session | **Location:** Centro Cultural da UFRGS, Rua Eng. Luiz Englert, 333 - Porto Alegre-RS

16:30 – 16:45

Searching for signatures of the $X(3700)/D \bar{D}$ bound state in femtosopic correlations

Speaker

Prof. Luciano Melo Abreu

16:45 – 17:00

Infrared-finite amplitude for $e^+ e^- \rightarrow q \bar{q} g$ in the light front coherent state formalism

Speaker

Dr Deepesh Bhamre

17:00 – 17:15

Hadronic rescattering to solve helicity puzzle in $B^+ \rightarrow p \bar{p} \pi^+ (K^+)$ decays

Speaker

Patricia Magalhaes

17:15 – 17:17

Estimating the intrinsic quark contribution to heavy meson production at forward rapidities in pp collisions at the LHC

Speaker

Yuri do Nascimento Lima

5:30 PM

Tue, March 11

4:30 PM

Oral communications: OC3

Session | **Location:** Centro Cultural da UFRGS, Rua Eng. Luiz Englert, 333 - Porto Alegre-RS

16:30 – 16:45

Supernova Remnants with Mirror Dark Matter and Hyperons

Speaker

Adamu Issifu

16:45 – 17:00

Locating the QCD critical point via contours of constant entropy density

Speaker

Mauricio Hippert

17:00 – 17:15

Nuclear physics, gravitational waves and dark matter as tools to probe neutron stars

Speaker

Débora Menezes

17:15 – 17:30

Odderon Physics at High Energies

Speaker

Emerson Luna

5:30 PM

Wed, March 12

2:30 PM

Oral communications: OC4

Session | **Location:** Centro Cultural da UFRGS, Rua Eng. Luiz Englert, 333 - Porto Alegre-RS

14:30 – 14:45 **Ensemble of topological defects and the confining flux tube**

Speaker

Gustavo Moreira Simões

14:45 – 15:00 **Behavior of the zero modes in the Light-front**

Speaker

Dr João Pacheco De Melo

15:00 – 15:15 **Minkowski space description of the nucleon and pion**

Speaker

Prof. Tobias Frederico

15:15 – 15:30

Impact of rotational effects on the QCD phase diagram: chiral vortical catalysis constrained by Lattice QCD

Speaker

William Tavares

15:30 – 15:45 **Modification of jets travelling through a brick-like medium**

Speaker

Chiara Le Roux

15:45 – 16:00

Finite Temperature Description of Fermi Gases with In-medium Effective Mass

Speaker

Mariana Dutra da Rosa Lourenço

4:00 PM

4:30 PM

Oral communications: OC5

Session | **Location:** Centro Cultural da UFRGS, Rua Eng. Luiz Englert, 333 - Porto Alegre-RS

16:30 – 16:45 **Describing the properties of the lightest charmed-axial mesons**

Speaker

Prof. KANCHAN PRADEEPKUMAR KHEMCHANDANI

16:45 – 17:00 **Exoticos hadrons with charm and/or strangeness**

Speaker

Alberto Martinez Torres

17:00 – 17:15 **Double Parton Scattering in Ultraperipheral Collisions**

Speaker

Emmanuel Gräve de Oliveira

17:15 - 17:30

Predictions for dimuon production in high-energy neutrino--proton collisions using the color dipole model

Speaker

Edgar Huayra

5:30 PM