



# XV Hadron Physics 2020

## lundi 13 septembre 2021

### Poster: Poster 1 - Room A (16:00 - 17:30)

time	[id] title	presenter
16:00	[41] Exclusive photoproduction of quarkonia in ultraperipheral collisions	MELCHIORS TREBIEN, Haimon Otto
16:01	[109] Superconductivity of Confined Particles in a field-theory model	SAMPAIO SANTOS, João Paulo
16:02	[17] Self-consistent Modelling of Nuclear Processes in Solar Flares using FLUKA	Dr SZPIGEL, Sergio
16:03	[29] Measuring the speed of sound of the quark-gluon plasma in ultracentral nucleus-nucleus collisions	GARDIM, Fernando G
16:04	[75] Propagators for a SU(3) Gauge Theory on the Lattice	MARQUES LEAL JUNIOR, Jesuel

### Poster: Poster 1 - Room B (16:00 - 17:30)

time	[id] title	presenter
16:00	[52] Vector meson spin alignment as a probe of spin hydrodynamics at freeze-out	GONÇALVES, Kayman
16:01	[64] A Simple Analytical Approach to Heavy Quarkonium Spectrum	M. TERRA, Richard
16:02	[74] Study of prompt photon production at the CERN LHC energies	SAMPAIO DOS SANTOS, Gláuber
16:03	[122] Machine Learning Strategies for a Global Equation of State and a Better Description of Neutron Stars	LOBATO, Ronaldo
16:04	-	

### Poster: Poster 1 - Room C (16:00 - 17:30)

time	[id] title	presenter
16:00	[81] Thermal Relaxation of Neutron Stars near the Direct Urca Onset	SALES, Thiago José
16:01	[96] Lee-Wick field in presence of semi-transparent boundaries	EVERSON HENRIQUE, Rodrigues
16:02	[126] Cosmological implications of the QCD phase transition in the Early Universe	M. SIMOES ADERALDO, Vinicius
16:03	[92] Efimov signatures of the K(1460) resonance	Prof. HIGA, Renato
16:04	[124] Neutron stars in $f(R, T)$ gravity using realistic equations of state in the light of massive pulsars and GW170817	Prof. MALHEIRO, Manuel

### Poster: Poster 1 - Room D (16:00 - 17:30)

time	[id] title	presenter
16:00	[120] Study of the effects of strong electric and magnetic fields on hadronic matter through the NJL SU(2) Model	M. ZAMPERLINI DOS SANTOS, João Victor
16:01	[129] Neutrino physics in the r-process nucleosynthesis	M. DOS SANTOS, Mateus
16:02	[135] The anomalous magnetic moment key on NJL-SU(2) model	PACHECO, Rafael
16:03	[110] Approaching small- and large-box regimes in field theory	CAVALCANTI, Erich
16:04	[128] Production of charmed mesons, baryons and tetraquarks in heavy-ion collisions at the LHC	FONTOURA, Carlos Eduardo

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## **Poster: Poster 2 - Room A (16:00 - 17:30)**

time	[id] title	presenter
16:00	[26] Quark-antiquark potentials in nonperturbative models	MENA , Carlos
16:01	[115] Spin in two-dimensional fermion motion with circular symmetry	ALBERTO, Pedro
16:02	[130] Renormalization group improved QCD thermodynamics	Prof. BENGHI PINTO, Marcus
16:03	[113] Asymptotic solutions to the full next-to-leading order Balitsky-Kovchegov equation	BUENO BANDEIRA, Yan
16:04	-	

## **Poster: Poster 2 - Room B (16:00 - 17:30)**

time	[id] title	presenter
16:00	[25] QCD phase diagrams combining QHD and MIT based models	Mlle BIESDORF, Carline
16:01	[42] Momentum transfer squared dependence of exclusive quarkonia photoproduction in UPCs	HENKELS DE SOUZA, Cheryl
16:02	[66] Isolated photon production in the color dipole picture	N. LIMA, Yuri
16:03	[67] Thermodynamics of the three flavor PNJLO model	ARDIZZON MATTOS, Odilon
16:04	[119] A simple model for the moments of multiplicity distributions in pp collisions at the LHC.	GERMANO, Guilherme

## **Poster: Poster 2 - Room C (16:00 - 17:30)**

time	[id] title	presenter
16:00	[43] Delta Baryons in Neutron-Star Matter under Strong Magnetic Fields	MARQUEZ, Kauan
16:01	[90] White dwarfs with finite temperature: consequences of general relativity and nuclear reactions in their structure and stability	Mlle NUNES, Sílvia
16:02	[112] Electrically charged strange stars with an interacting quark matter equation of state	LAZZARI, Lucas
16:03	[127] Can the anomalous X-ray pulsar 4U-0142+61 be described as an accreting white dwarf?	BORGES, Sarah V.
16:04	[116] Slow stable hybrid stars: a new class of compact stars that fulfills all current observational constraints	LUGONES, Germán

## **Poster: Poster 2 - Room D (16:00 - 17:30)**

time	[id] title	presenter
16:00	[94] Kaon and nucleon states with hidden charm	MALABARBA, Brenda
16:01	[71] Double parton scattering mechanism for associated $c\bar{c}$ and $b\bar{b}$ quark production in ultraperipheral collisions $AA\bar{A}$ .	HUAYRA PAITAN, Edgar
16:02	[84] Nucleon Electromagnetic and Axial Form Factors with a Light-front Constituent Quark Model	Dr BARBOSA DE ARAÚJO, Wilson Roberto

16:03	[19] Low- $Q^2$ parametrizations of the $\gamma^* N \rightarrow N^*$ transition amplitudes	Dr RAMALHO, Gilberto
16:04	[79] Improving the Drell-Yan probe of small x partons at the LHC via an azimuthal angle cut	DE OLIVEIRA, Emmanuel

# mercredi 15 septembre 2021

## Poster: Poster 3 - Room A (16:00 - 17:30)

time	[id] title	presenter
16:00	[23] Confinement/deconfinement transition in a thermodynamically consistent quark matter model	MARZOLA, Isabella
16:01	[39] Relativistic Landau levels via Feynman-Gell-Mann formulation	M. MENDROT, Vitor
16:02	[137] Production of dark photons in electron-nucleus collisions via compton-like process	DE PAULA OLIVEIRA, Cristiane
16:03	[49] Symmetry restoration and the gluon mass in the Landau gauge	M. TERIN, Rodrigo
16:04	-	

## Poster: Poster 3 - Room B (16:00 - 17:30)

time	[id] title	presenter
16:00	[76] $K^*$ Decay and the $K^*/K$ Ratio in Heavy Ion Collisions	Mme M. LE ROUX, Chiara
16:01	[78] Magnetic field in relativistic heavy-ion collisions: how good is the classical approximation?	Mlle DANHONI, Isabella
16:02	[114] Production of QED bound states in photon induced processes	FRANCENER, Reinaldo
16:03	[117] Improvements in the treatment of peripheral heavy ion collisions	SILVA, Victor
16:04	[121] Impact of initial condition characteristics on hybrid simulation models of relativistic heavy-ion collisions	PICCHETTI, João Paulo

## Poster: Poster 3 - Room C (16:00 - 17:30)

time	[id] title	presenter
16:00	[118] Tidal Deformability of Quark Stars with Repulsive Interactions	BASTOS ALBINO, Milena
16:01	[131] Deformed Neutron Stars and the Photosphere	COSTA, Luan
16:02	[132] Relativistic Mean Field Model constrained by Astrophysical Measurements	M. ALVES DE MOURA SOARES, Bruno
16:03	[22] Nambu-Jona-Lasinio model at strong constant magnetic field	M. MOREIRA, Thiago Henrique
16:04	[31] Fluctuations in the nuclear pasta phase	M. PELICER, Mateus

## Poster: Poster 3 - Room D (16:00 - 17:30)

time	[id] title	presenter
16:00	[72] DPS mechanism for associated $\bar{c}c$ production in AA UPCs as a probe for photon density inside the nucleus	Mme DE OLIVEIRA STAHLHOFFER, Bruna
16:01	[125] Leading neutron production at the EIC and LHeC: estimating the impact of the absorptive corrections	CARVALHO, Fabiana
16:02	[134] Exclusive vector meson production in electron – ion collisions at the future colliders	RODRIGUES SENA, Celso

16:03	[139] A comparative analysis for the form factors and coupling constant of the DsDK* meson vertex	Dr DA CUNHA JÚNIOR, Angelo Cerqueira
16:04	-	