

Session Program

25-28 Apr 2022



Workshop da Rede Nacional de Física de Altas Energias (RENAFAE) 2022

Sessão 2

Monday 25 April

09:00

Sessão 2: Manhã

Session | **Location:** | **Conveners:** Gilvan Augusto Alves, Maria Beatriz De Leone Gay

09:00–09:50

Imaging the gluons (and quarks) in a nucleus using high-energy photons

Speaker

Spencer Robert Klein

09:50–10:40

Astro- and Particle Physics with High-energy Messengers of the Universe

Speaker

Ralph Richard Engel

10:40–11:30

Física com Experiências de Oscilações de Neutrinos

Speaker

Andre de Gouvea

11:30–12:20

Entropias não aditivas, mecânica estatística não extensiva, e física de altas energias e plasmas

Speaker

Constantino Tsallis

12:20

14:00

Sessão 2: Paralela 1

Session | **Location:** | **Convener:** Jose Seixas

14:00–14:20

Resultados e previsões de processos de produção exclusiva para o experimento LHCb

Speaker

Murilo Santana Rangel

14:20–14:40

Electroweak Higgs effective field theory after LHC run 2

Speaker

Matheus Martines de Azevedo da Silva

14:40–15:00

Search for Dark Matter in signals of disappearing tracks at the CMS experiment.

Speaker

Pedro Galli Mercadante

15:00–15:20

Precision measurements in the Standard Model with the ATLAS Detector

Speaker

Marco Lisboa Leite

15:20–15:40

Intervalo

15:40-16:00

Hard diffraction, photon-photon fusion and searches for new physics with proton tagging at CMS**Speaker**

Gustavo Gil Da Silveira

16:00-16:20

Search for Higgs boson pair production in the $\tau\tau$ final state with the ATLAS detector**Speaker**

Marisilvia Donadelli

16:20-16:40

Exclusive processes in hadronic collisions at the LHC: Improving our understanding of the Standard Model and opening a portal for New Physics**Speakers**

Daniel Ernani Martins Neto, Victor Goncalves

16:40-17:00

The ALP search with NeuralRinger - ATLAS experiment**Speaker**

Yara Do Amaral Coutinho

17:00

14:00

Sessão 2: Paralela 2**Session** | **Location:** | **Convener:** Maria Beatriz De Leone Gay

14:00-14:20

Studying the nucleon size with hybrid model simulations of heavy ion collisions**Speaker**

João Paulo Picchetti

14:20-14:40

Jet RAA and v_n for PbPb 5.02 TeV with JEWEL+v-USPhydro**Speaker**

Fabio Canedo

14:40-15:00

Non-Perturbative Superfluid Free Energy and Phase Transition**Speaker**

Matheus Curado

15:00-15:20

 Λ polarization as a probe for jet thermalization using vorticity induced in the Quark Gluon Plasma**Speaker**

Vitor Hugo Ribeiro

15:20-15:40

Intervalo

15:40-16:00

Heavy ion physics from SPRACE group using the CMS experiment**Speaker**

Prof. Cesar A. Bernardes (on behalf of the SPRACE group)

16:00–16:20

Bayesian analysis meets ultra-central collisions: assessing the anisotropic flow puzzle**Speaker**

Dr Andre Veiga Giannini

16:20–16:40

Quark-mass and strong-coupling from QCD sum rules: the role of the experimental data**Speaker**

Diogo Boito

16:40–17:00

“Física de Íons Pesados e operação do Calorímetro Eletromagnético no experimento CMS do LHC no CERN”**Speaker**

Patricia Rebello Teles

17:00

14:00

Sessão 2: Paralela 3

Session | Location: | Convener: Ettore Segreto

14:00–14:20

Simulation and data analysis in astroparticle physics**Speaker**

Luan Arbeletche

14:20–14:40

Prospects for the detection and spectral characterization of BLLacs with the CTA extragalactic survey**Speaker**

Luiz Augusto Stuani Pereira

14:40–15:00

Indirect Dark Matter Searches with Gamma-ray Observatories**Speaker**

Aion Viana

15:00–15:20

Astropartículas como uma importante fonte de estudo para a violação da invariância de Lorentz**Speaker**

Rodrigo Guedes Lang

15:20–15:40

Intervalo

15:40–16:00

A Robust Description of Hadronic Decays in Light Vector Mediator Models**Speaker**

Ana Luisa Foguel da Silva

16:00–16:20

Exploring Neutrino Phenomenology for the Hyper-Kamiokande Project**Speaker**

Prof. Hiroshi Nunokawa

16:20-16:40

O modelo LArQL para a descrição da produção de luz e carga em argônio líquido

Speaker

F. Marinho

16:40-17:00

**Interação estado final em decaimentos hadronicos de 3 corpos no LHCb:
mecanismos para entender a Violação de CP decaimentos de mésons B e D**

Speaker

Patricia Magalhaes

17:00