



# HUGS 2024

## Wednesday, June 12, 2024

### Student seminars - F113 - CEBAF Center (9:00 AM - 10:00 AM)

| time    | [id] title   | presenter                   |
|---------|--|-----------------------------|
| 9:00 AM | [69] Hypercentral quark model for mass spectra, semileptonic decays and Regge trajectories of doubly heavy $\Xi$ baryons | ATANGANA LIKENE, André Aimé |
| 9:15 AM | [70] Extraction of the transversity PDF  | POLANO, Luca                |
| 9:30 AM | [71] Deeply Virtual Compton Scattering Using a Neutral Particle Spectrometer   | MATHISON, Mark              |
| 9:45 AM | [72] Nuclear Fragmentation Functions in Nuclear Media  | MARTINEZ, Ramiro            |

### Student seminars - F113 - CEBAF Center (10:15 AM - 11:30 AM)

| time     | [id] title  | presenter        |
|----------|---|------------------|
| 10:15 AM | [73] Reconstructing PDFs from LQCD data(GP and INN)   | CAHUANA, Yamil   |
| 10:30 AM | [74] Charged Pion Polarizability in Hall D  | FABRIZI, Albert  |
| 10:45 AM | [75] Feasibility for x-dependence of GPDs in GlueX and Bayesian Statistics in J/Psi photoproduction | ARRIGO, Shelby   |
| 11:00 AM | [96] Generative modelling for CLAS analysis   | SPREAFICO, Marco |

# Thursday, June 13, 2024

## Student seminars - F113 - CEBAF Center (9:00 AM - 10:00 AM)

| time    | [id] title   | presenter                        |
|---------|--|----------------------------------|
| 9:00 AM | [77] $\rho$ and $\phi$ vector meson production using light front holographic QCD | GURJAR, Bheemsehan               |
| 9:15 AM | [78] Probing Hadron Structure with Meson Electroproduction                       | SINGH, Avnish                    |
| 9:30 AM | [79] Towards $\gamma^* \gamma^* \rightarrow \pi \pi$ on the Lattice              | BURBANO ALDANA, Ivan<br>Mauricio |
| 9:45 AM | [80] Low-mass dark sector searches with deuteron photodisintegration             | MOMMERS, Cornelis                |

## Student seminars - F113 - CEBAF Center (10:15 AM - 11:30 AM)

| time     | [id] title   | presenter       |
|----------|--|-----------------|
| 10:15 AM | [81] Study of Photonuclear reaction in Jefferson Lab Hall D                            | DEVKOTA, Bhesha |
| 10:30 AM | [82] Thermodynamics of finite volume quark matter in anisotropic momentum distribution | CHAHAL, NISHA   |
| 10:45 AM | [83] Finite-Volume Electroweak Two Nucleon Matrix Elements                             | MOSCOSO, Joseph |
| 11:00 AM | [84] Disconnected 3-Point Functions Using Wilson Loops on the Lattice                  | PEYTON, Jacob   |

# Friday, June 14, 2024

## Student seminars - F113 - CEBAF Center (9:00 AM - 10:00 AM)

| time    | [id] title   | presenter               |
|---------|--|-------------------------|
| 9:00 AM | [85] Exploration into the Baryon structure   | PAREDES TORRES, GUSTAVO |
| 9:15 AM | [86] Impact of parity-violating DIS on the weak mixing angle and nucleon strangeness | WHITEHILL, Richard      |
| 9:30 AM | [87] Proton Form Factor Measurement Using Recoil Polarization Method                 | MCMURTRY, Jacob         |
| 9:45 AM | [88] Flavor asymmetry of light sea quarks in proton : A light-front spectator model  | CHOUDHARY, Poonam       |

## Student seminars - F113 - CEBAF Center (10:15 AM - 11:30 AM)

| time     | [id] title   | presenter              |
|----------|--|------------------------|
| 10:15 AM | [89] Higher Twist Proton Distributions in the Light-Front Quark-Diquark Model                      | SHARMA, SHUBHAM        |
| 10:30 AM | [90] Heavy Ion Collisions and Elliptic Flow in Quark-Gluon Plasma (QGP)                            | HERNANDEZ, Sabrina     |
| 10:45 AM | [91] Chiral Phase Transition in Lattice Gauge Theory and Signatures of Chiral Symmetry Restoration | BENSAOULA, Adel        |
| 11:00 AM | [92] Soft function study in $p \rightarrow V + j + X$ processes                                    | TEJEDOR GARCÍA, Gloria |