

## Session Program

18 February 2023



## UH Physics Research Day - 2023

### *Parallel Session 1*

University of Houston - Main Campus  
101 Farish Hall

# Friday 17 February

13:00

## Parallel Session 1

**Session** | **Location:** University of Houston - Main Campus, 101 Farish Hall | **Convener:** Greg Morrison

13:00-13:15

### Entanglement entropy in p-p collisions

**Speaker**

Alek Hutson

13:15-13:30

### Contribution of Hadron Families to the QCD Equation of State

**Speaker**

Alejandro Florez

13:30-13:45

### QCD equation of state at finite density with a critical point from an alternative expansion scheme

**Speaker**

Micheal Kahangirwe

13:45-14:00

### Using Xenon-Doped Liquid Argon Scintillation for Full-Body, Time of Flight Positron Emission Tomography

**Speaker**

Alejandro Ramirez

14:00-14:15

### Elliptic flow measurement in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV

**Speaker**

Iris Likmeta

14:15-14:30

### Lightning Protection of the Artemis Spacecraft

**Speaker**

Nathan Roberts

14:30-14:45

### Integrating Darkside-20K into the SuperNova Early Warning System and Implementing Recurrent Neural Networks for Supernova Neutrino Detection

**Speaker**

Sebastian Torres-Lara

14:45-15:00

### LIMITED FREQUENCY BANDWIDTH ON THE INVERSE SCATTERING SERIES AND THE EFFECTS ON SEISMIC PROCESSING GOALS

**Speaker**

Ana Carolina Gonzalez Romero

15:30