

Session Program

30 January 2024 to 29 February 2024

*APS-UH and the UH Department of Physics
present...*

Physics Research Day

Saturday, Feb. 24
8am - 5pm
Farish Hall



UH Physics Research Day - 2024

Parallel Session 1

University of Houston - Main Campus
101 Farish Hall

Tuesday 30 January

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 $\sqrt{S_{NN}} = 5.44 \text{ TeV}$

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