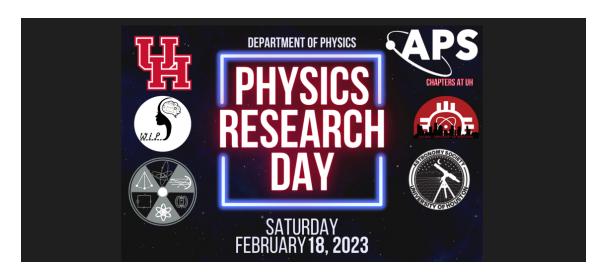
Session Program

18 February 2023



UH Physics Research Day - 2023Parallel 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 Entaglement 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