

The School of Natural Sciences
Presents
Undergraduate Physics Research Symposium
Graduating seniors from the physics program

Friday, April 28, 2023

10:30 – 12:00

Granite Pass 135 and remotely via

<https://ucmerced.zoom.us/j/84234655367?pwd=Zk5OanYvYmkzeWF3LzJ1ak5NSDBSdz09&from=addon>

Talk times are approximate.

10:30-10:42

Using electrochemical treatment to insert neodymium(3+) ions into the layers of MoS₂

Uriel Silva, Michael Scheibner

10:43-10:55

Finding the covariant parameters of quadruply lensed quasars

Max Seibt, Ryan Keeley, Anna Nierenberg

10:56-11:08

Automating the identification of Anderson localization in quantum walks

Christopher Mastandrea, Chih-Chun Chien

11:09-11:21

Impact of the number of motors on cargo on the switching probability and pause duration at microtubule intersections

Maria Gamez, Ajay Gopinathan

11:22-11:34

Assessing the accuracy of vibrations in machine learning potentials for hydrogenated amorphous silicon

Nathan Simons, David Strubbe

11:35-11:47

In search of atom-like quantum emitter through ion-insertion between Nd³⁺ ion and MoS₂ layers

Tianfei Zhang, Michael Scheibner

11:48-12:00

TBA

Jesus Padilla Espino, Kinjal Dasbiswas

For additional info contact Prof. Brian Utter brianutter@ucmerced.edu