

Our First Student Symposium !!

August 6, 2021

ORNL is managed by UT-Battelle, LLC for the US Department of Energy



Goals

- Break the isolation forced upon us by the pandemic. Unfortunately, the delta-variant prevents us from having this meeting in person (sorry, no pizza).
- Put a face to a name.
- This provides everyone with an opportunity to learn what your colleagues in the division are doing in an informal setting. Ask a lot of questions!
 - The “stupid question” is the question that is not asked!
- One clear message from the all-hands meeting was the request to have more mentoring; this is one provides a way to showcase your results, learn to present scientific results (APS talks are only 10 minutes!), interact with hostile/friendly audience,

Neutron Symmetries Group - Students



David Mathews
graduate
Univ. of Kentucky



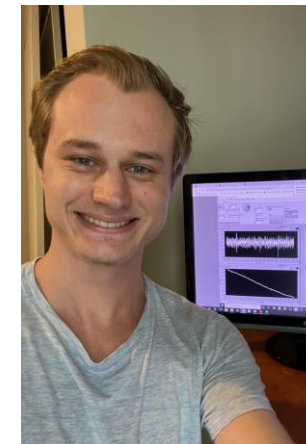
Michelle McKenzie
undergrad
California State Univ.



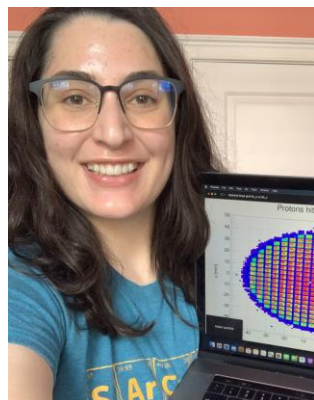
Michael Kline
graduate
Ohio State Univ.



Kavish Imam
graduate
Univ. Tennessee Knoxville



Jordan O'Kronley
graduate
Univ. Tennessee Knoxville



Rebecca Godri
graduate
Univ. Tennessee Knoxville



Scarlett Wilson
graduate
Univ. Tennessee Knoxville



Love Christie
graduate
Univ. Tennessee Knoxville



Di'Arra Mostella
graduate
Univ. Tennessee Knoxville



Paul Harmston
undergrad
Univ. Tennessee Knoxville

Experimental Nuclear Structure and Nuclear Astrophysics



Michael Cooper
Nuclear Structure
UTK



Heather Garland
Experimental Astro
Rutgers



Rajesh Ghimire
Experimental Astro
UTK



Kate Hausladen
Scintillator Lab
Wesleyan



Jerome Kovoov
Experimental Astro
UTK



Thomas Ruland
Scintillator Lab
SCGSR LSU



Rebecca Toomey
Experimental Astro
Surrey



Chad Ummel
Experimental Astro
Rutgers



Larry Zhang
Nuclear Data
UTK

Not Pictured

Tamas Budner
Experimental Astro
MSU

Jason Forson
Experimental Astro
UTK

Eboni Collins
Experimental Astro
NPET/Dillard

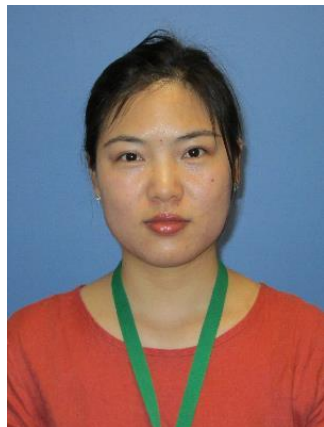
Thaddeus Smith
Experimental Astro
NPET/Fisk

Destynne Oliver
Experimental Astro
NPET/UTEP

Theoretical and Computational Physics



James Christie
Astrophysics
UTK



Ran Chu
Astrophysics
UTK



Sam Dunham
Astrophysics
UTK



Zachary Elledge
Astrophysics
UTK



Shikha Bangar
Quantum Algorithms
UTK



Luke Kronzer
Astrophysics
Alabama



Fernando Rivas
Astrophysics
UTK



Chloe Sandoval
Astrophysics
UTK



Michael Sandoval
Astrophysics
UTK



Preston Waldrop
Astrophysics
UTK

Not Pictured

Daniel Lamphere
Astrophysics
UTK

Garrett Rowcliffe
Astrophysics
UTK

Satyajit Roy
Astrophysics
UTK

James Ternullo
Astrophysics
UTK

Zichao Yang
Nuclear Structure
UTK

Daniel Zetterberg
Astrophysics
UTK

Jose Bonilla
Nuclear Structure
UTK

Chenyi Gu
Nuclear Structure
UTK

Mohammad Al-Mamun
Astrophysics
UTK

ARDIDSA Students



Mairead Montague
University of
Tennessee



Aaron Nowack
University of
Tennessee



Blake Montz
University of Tennessee

Neutrino Research Group - Students



Rebecca Rapp
COHERENT
SCGSR CMU



Erem Ujah
COHERENT
NCCU/JINPA



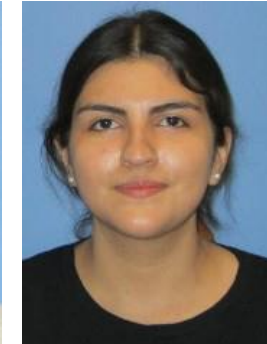
**Diego Venegas
Vargas**
PROSPECT
UTK



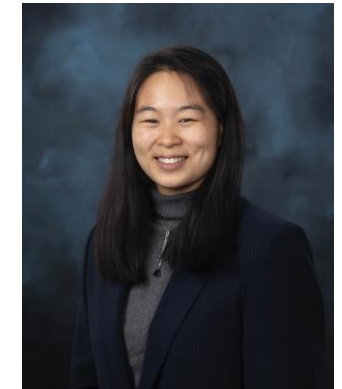
Xiaobin Lu
PROSPECT
UTK



Blaine Heffron
LEGEND
PROSPECT
UTK



**Rosa Luz
Zamora Peinado**
PROSPECT
UTK



Sabrina Cheng
PROSPECT
Scintillator Lab
GS MIT



Ben Suh
COHERENT
IU



Igor Bernardi
COHERENT
UTK



Eli Ward
COHERENT
UTK



Brennan Hackett
LEGEND
UTK



Ibrahim Mirza
LEGEND
UTK



Morgan Clark
LEGEND
UNC



Ahmed Moustafa
Neutron Imaging
NCSU

Relativistic Nuclear Physics Group - Students



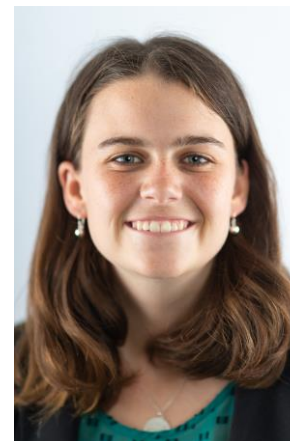
Florian Jonas
ALICE
Univ. Muenster



Jens Luehder
ALICE
Univ. Muenster



Katharina Demmich
ALICE
Univ. Muenster



Hannah Bossi
ALICE
Yale Univ.



Joshua Koenig
ALICE
Univ. Frankfurt a. Main



Ewa Glimos
ALICE/ECCE
*Univ. Tennessee
Knoxville*



Austin Schmier
ALICE/sPHENIX
*Univ. Tennessee
Knoxville*



Tanner Mengel
sPHENIX/ECCE
*Univ. Tennessee
Knoxville*

Today



- David Mathews
 - Pulse Shape Discrimination for the Nab Experiment



- Shikha Bangar
 - Collective Neutrino Oscillations on a Quantum Computer



- Becca Toomey
 - The $^{18}\text{O}(\alpha, n)^{21}\text{Ne}$ Reaction for R Matrix Applications



- Mairead Montague
 - Proof-of-Concept Experimentation and Image Reconstruction of a Neutron Emission Tomography System for Spent Fuel Verification



- Sabrina Cheng
 - Organic Photo Sensors for Detection of VUV Scintillation Light