

Faculty Member

Chen

Hirsch

Iyer-Biswas

Jones

Jung

Kais

Koltick

Lang

Manfra

Melosh

Milisavljevic

Neumeister

Pushkar

Pyrak-Nolte

Rebello

Rodriguez

Area

AMO/Quantum Matter Physics

Physics Education Research - Assessment of Student Performance in Introductory Mechanics

Biophysics (exp or the)

High Energy (exp) - 1) CMS hardware upgrades and 2) Analysis of CMS data

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Condensed Matter (the) - Near term application of quantum information and computation

High Energy (exp) - Charged Particle Lepton Flavor Violation - Fermilab Mu2e Experiment

Electronic Response of Silicon Based Materials to Neutrons

Astroparticle Physics (exp)

Condensed Matter (exp)

Planetary Physics - How the ubiquitous ridges on Europa form as a result of the interaction of water from its subsurface ocean with the much colder surface, and implications for possible life in the subsurface

Astrophysics (exp) - multi-wavelength/multi-messenger time domain investigations

High Energy (exp)/Physics Analysis at LHC

Biophysics / brain studies/brain imaging

Biophysics / time resolved X-ray spectroscopy and optical spectroscopy

Geophysics - Wave Propagation in Fractured Media with Acoustic Contrasting Agents

Physics Education Research

Computational Bio-Nano Physics - 2 positions

Most faculty take on students enrolled in PHYS 590 - Reading and Research as a first step to taking a student into a research group. While not usually a paid RA position, this course often leads to a supported position in a research group as research funding becomes available, or as senior students graduate. Students are encouraged to take 590's early (while still TAing). If you are interested in working with a faculty member who is not on the above list, please contact them directly about the PHYS 590 option.