



Undergraduate Research Opportunity

The Medium Energy Physics group at UNCW will offer summer research opportunities to undergraduate students to work on a cutting-edge nuclear physics experiment. The candidates will spend 2-3 summer months (starting as soon as the beginning of May) at Jefferson National Lab, Newport News, Virginia, to join an international collaboration (consisting of more than 120 physicists) working on the JLab Eta Factory (JEF) experiment. This is a highly-rated experimental project that aims on testing fundamental symmetries and searching for dark matter in the universe. The results of this experiment will have great potential to shed light on some fundamental questions in important and emerging areas of nuclear/particle physics and cosmology. The candidates are encouraged to continue their research in the Physics Department through the academic school year. Successful candidates will have the opportunity to attend professional conferences to present their research results.

Candidates should have a major in science and a GPA of at least 3.0. The travel expenses will be provided to the selected candidates, including per diem, hotel, and mileages for a round trip to Jefferson Lab. For more information about the positions please contact Prof. Liping Gan.

Applicants should submit his/her application to Prof. L. Gan, including the following documents:

- A statement of your interest to answer the following questions:
 - Why you are interested in this applied learning experience?
 - What are your personal research and/or creativity goals and how this project will help you realize those goals?
 - What impact do you hope this project would have on you personally and on your field or discipline?
- A curriculum vitae
- A copy of transcript

Applicants are encouraged to apply as soon as possible, by **Feb 15, 2023**, at the latest.

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