

Progress Report: Femtography

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The 2018-2019 year was the start of the Femtography effort at UVA [1]. This project encompasses a national research effort culminating in the creation of the Electron Ion Collider (EIC: a 1.5 B\$ research facility [2]). The initial funding for the effort at UVA came from the Governor of the Commonwealth of Virginia [3]. The laboratory support for this project comes from Jefferson Lab [4]. Major achievements this year include:

1. Hosting an international symposium by UVA at the Boar's Head [5]
2. Award of \$50,835 for a summer institute (SIWIF) from the Governor's Office
3. Membership on the Jefferson Lab Center for Nuclear Femtography Steering Committee (CNF)

Locally a collaboration between the Data Science Institute and the College of Arts and Sciences has been formed. The SIWIF award was a joint venture with Professor Liuti from CLAS acting as the PI and Dr. Alonzi from the DSI as a CO-PI.

The Governor's office has commissioned Jefferson Lab to establish a Center for Nuclear Femtography (CNF). Due to leading the symposium in the fall at UVA and the award of the summer institute money UVA has taken a leading role in this effort.

References

- [1] <https://pages.shanti.virginia.edu/Femtography/>
- [2] <https://physicstoday.scitation.org/doi/10.1063/PT.6.2.20180731a/full/>
- [3] <http://www.sura.org/Meetings/2018Spring/24.pdf>
- [4] <https://www.jlab.org/>
- [5] <https://pages.shanti.virginia.edu/Femtography/symposium-on-imaging-and-visualization-in-science/>
- [6] <https://www.dailypress.com/news/newport-news/dp-nws-newport-news-jefferson-lab-femtography-20171019-story.html>