

Lessons Learned – Experimental Nuclear Physics at Howard University 2011-2023

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Goals

“Ultimately, I’m interested in building a sustainable program where we produce African American PhD’s that become faculty with strong experimental nuclear and particle physics research careers.”

Email to Dr. Noel Blackburn - 9/13/2011

People

- Noel Blackburn, Mickey Chiu
- James Lindesay, Stacyann Nelson, Ashelyn Mack, Joel Coley
- Carol Scarlett, Mark Harvey, Stacyann Nelson
- Alex Holt
- Jordan Dias-Gaylor, Laurynette Griffin, Kolby Davis, Ethan Harvey, Jasmine Verette, Khouri Williams

Timeline and dates

- 2011-2012 Introductions and start up
- 2013– 2019 DOE VFP HU-LSAMP (NSF), NRC funding
- 2019 – 2023 NSF HBCU-UP EIR

PHENIX, SPHENIX, EIC

Recent

- DOE RENEW proposal – FAMU, TSU, HU
- Dedicated funding for 5 years
- HU - Research scientist and graduate student support
- HU - Administrative support

Context

- HU administrative changes
- HU research service reduction
- HU physics and astronomy department fracture
- HU physics and astronomy department focus
- Broader constraints

Solutions – HU Specific

- Both internal and external partnerships
- Integrity and transparency
- Funding – grant supported business manager (Ms. Mack)
- Funding – dual appointments (Joel Coley / test particle)
- Funding – postdocs and research scientists
- Time, tenure, diversity
- Seed funding

Thank you!

Challenges

- <https://medium.com/@MarcusAlfredDC/howard-is-hurting-itself-984b446267e>
- <https://www.science.org/content/article/atmospheric-science-overwhelmingly-white-black-scientists-have-ignited-change>