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PPPL Overview



Who are we?

And who are you?



Visit us at: www.pppl.gov

Shannon Swilley Greco



- Originally from Houston, TX
- Senior Program
 Leader in the Science
 Education
 Department @ PPPL
- Get to play with zappy stuff... FOR SCIENCE.



Yolanda Milligan



- About Me:
- Sr. Talent Acquisition Partner
- Kean University Bachelors in Marketing
- Devry University Keller Graduate
 School of Management MBA
- Joined PPPL in October 2022



Christina Liebrich



- About Me:
- Talent Acquisition Manager
- University of Maryland-Bachelors in Psychology
- Rutgers University Masters in HR Management and Masters in Labor & Employment Relations
- Joined PPPL October 2020



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Questions:

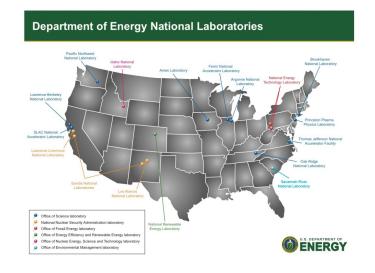
What is our mission?

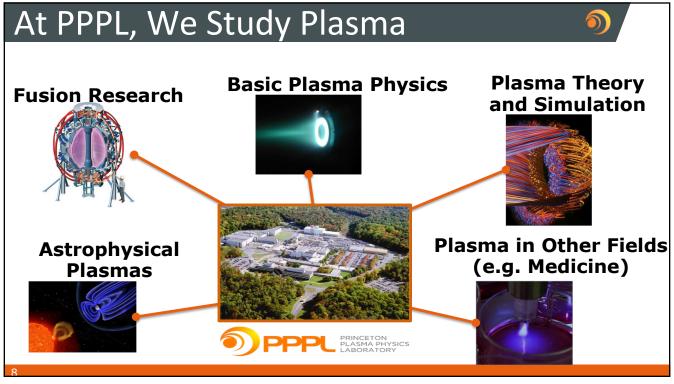
What do we do?

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Princeton Plasma Physics Laboratory 🧆

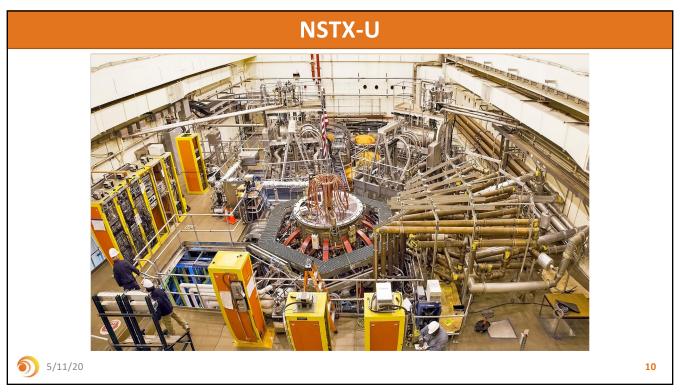
- PPPL is one of 17 DoE national laboratories.
- We are managed by Princeton University but have a government mandate that focuses on fusion energy research and basic plasma science.
- 600+ employees all contributing to the mission of clean energy



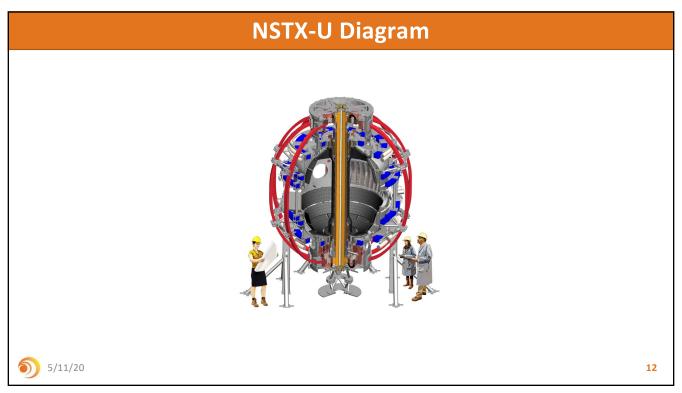


1) Lightning 2) Sun / Stars 3) Interstellar "Gas" / Nebulae 4) Northern Lights 5) Neon Lights / Florescent Lights 6) Plasma TV 7) Flames

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Undergraduate Opportunities





- Internships and Workshops
 - Science Undergraduate Laboratory Internship (SULI)
 - Community College Internship (CCI)
 - Engineering Internship
 - Plasma and Fusion Undergraduate Research Opportunities (PFURO)
 - Undergraduate Workshop in Plasma Physics



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Student Intern Projects Samples



Characterization and Simulation of Metastability in Plasmas

David Wasserman, Advisor: Steve Cowley

Investigation of PMI and IAD on LTX-β Surfaces via Simulation and Micro-trench

Jhovanna Garcia, Advisor: Bruce E. Koel (Princeton U.), Shota Abe and Anurag Maan (PPPL)

Constructing MUSE; A permanent magnet stellarator Mohammed Haque, Advisor: Michael Zarnstorff

Simulating Guiding Center Motion in NSTX-U with ORBIT-GPU

Nathaniel Chen, Advisor: Phillip Bonofiglo

Exploring the formation and robustness of partially relaxed MHD states

Matt Ketkaroonkul, Advisor: Adelle Wright

Temperature measurement of Warm Dense Matter using Streaked Optical Pyrometry

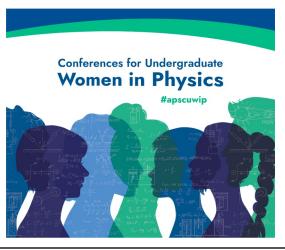
Joseph Vargas, Advisor: Sophia Malko





APS Conference for Undergraduate Women and Gender Minorities in Physics





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Employment Opportunities







