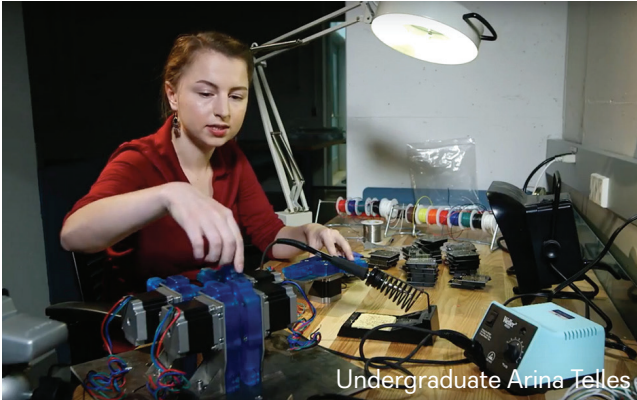


Summer and Postbaccalaureate Opportunities



Undergraduate Arina Telles

Discover the invisible universe

The Yale Wright Laboratory offers undergraduate and post-baccalaureate researchers cutting-edge, hands-on experiences in experimental nuclear physics, particle physics, and astrophysics. Students and postgraduate associates at Wright Lab participate in fundamental physics experiments on campus at Yale and around the world. They develop, build, and use advanced instrumentation and technologies for research; analyze data; and acquire skills for successful careers in graduate school and beyond.

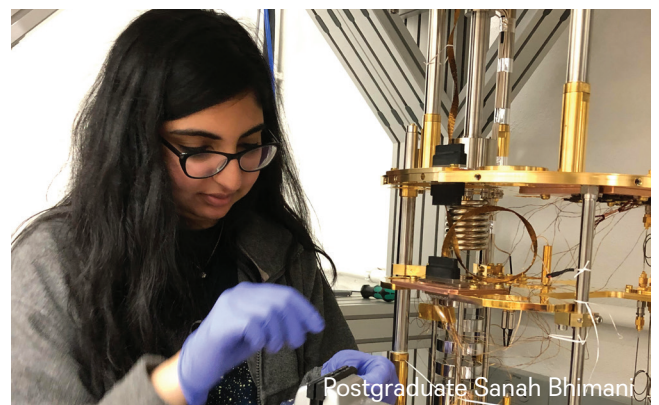
Example research projects:

- Research experience in quantum information science - Prof. O. Keith Baker
- Dark Energy Studies: Search for nearby Supernovae - Prof. Charles Baltay
- Enhancing the Performance of Micro-pattern Detectors for TPCs in the future EIC - Prof. Helen Caines
- Neutrino oscillation measurements in MicroBooNE - Prof. Bonnie Fleming
- Identifying neutrinos from nuclear reactors in PROSPECT - Prof. Karsten Heeger
- Project 8 detector development - Prof. Karsten Heeger
- Measurement of the PROSPECT Scintillator Response with TACO - Prof. Karsten Heeger
- Microsphere development for dark matter searches using optically levitated sensors - Prof. David Moore
- Event identification in the nEXO experiment using a deep neural network - Prof. David Moore
- Developing instrument beam basis functions in measurements of Dark Energy - Prof. Laura Newburgh
- Radio telescope calibration with quadcopter drones - Prof. Laura Newburgh
- Detecting dark matter at the South Pole with DM-Ice - Prof. Reina Maruyama
- Direct detection of dark matter with HAYSTAC - Prof. Steve Lamoreaux and Prof. Reina Maruyama

Join our research community

We welcome visiting undergraduate researchers during the summer months (June through August) and short term (up to 1 year) postgraduate associate research positions for recent graduates who seek research experience prior to graduate school. These positions are paid.

For more information, please contact:
Wright Lab Program Manager Victoria Misenti
victoria.misenti@yale.edu



Postgraduate Sanah Bhimani