



International Research Experience for Students in Uzbekistan in Astrophysics

May 31, 2019 - August 4, 2019



The Ulugh Beg Observatory is an observatory in Samarkand, Uzbekistan built in the 1420s by mathematician and astronomer, Ulugh Beg.

Students will spend nine weeks conducting research at the Ulugh Beg Astronomical Institute of the Uzbekistan Academy of Sciences under the mentorship of Professor Bobomurat Ahmedov, head of theoretical astrophysics department. Topics include: analysis of Gravitational Waves (GW) data obtained from LIGO-VIRGO collaboration, study of energetics of black holes and particle acceleration mechanisms near gravitating compact objects, and the solution of an electromagnetic field equation in the framework of Lorentz violating non-standard Electrodynamics.

Program Benefits

- \$3,500 Stipend
- Roundtrip flight from LAX or JFK covered
- Housing, meals and local transportation provided
- Overseas health and travel insurance provided
- Opportunity to engage in cutting edge research
- Many professional development activities
- Trips to ancient Silk Road cities



Program Eligibility

- U.S. citizen or permanent resident
- Current junior or senior undergraduate students
- Must enroll as a college-level student in Fall 2019



How to Apply

Visit www.fullerton.edu/lsamp for application and more information. Apply by **February 18, 2019** for full consideration.

Questions?

E-mail lsamp@fullerton.edu

