

# PING 2018: Investigating the Cosmos

## Green Bank Observatory, Green Bank, WV

July 15th– 21st, 2018



### Are you a current 8<sup>th</sup> grader interested in science?

*Physics Inspiring the Next Generation (PING): Investigating the Cosmos* is a collaboration between the National Society of Black Physicists (NSBP), and the Green Bank Observatory to expose traditionally underrepresented minorities to science and engineering with a focus on physics and radio astronomy. While the program targets specifically two former White House initiatives, My Brother's Keeper which is working to address the education needs of young men of color, and a second effort to promote interest in science among girls, all current 8th graders are welcome to apply.

Students will be on location at the Green Bank Observatory, and immersed in the research activities of this national research center. While in residence, students will work in small teams supported by an undergraduate student mentor and a staff scientist (astronomer, physicist, engineer, etc.) to conduct research by observing the universe with a 40-foot diameter radio telescope. Supplemental educational activities, including bench experiences building electronic circuits, and coding activities complement the primary research theme. In addition, fun whole group activities like swimming, hiking, and biking take place on the Observatory campus under the supervision of staff.

**APPLY TODAY!!**

### Application Deadline

Interested Middle School students must submit an online application and supporting materials before **11:59 PM (your local time) Weds., May 16, 2018**

Link to application and other forms:

[http://greenbankobservatory.org/education/student\\_research/ping/](http://greenbankobservatory.org/education/student_research/ping/)



*With a dish larger than an entire football field, the Green Bank Telescope (GBT) is the largest fully steerable radio telescope in the world! Astronomers use the GBT to explore the "invisible" universe, helping to unlock its many secrets!*

- 25 "current eighth-graders" will be selected to participate this summer.
- TRANSPORTATION will be provided from the Baltimore-DC Metro area, and Charlottesville, VA. However, Parents may provide transportation from other locations.
- The program is fully funded, so there is **NO COST** to students!

**QUESTIONS:** Please contact Sue Ann Heatherly - Green Bank Observatory at [sheather@nrao.edu](mailto:sheather@nrao.edu)