

**Title: THE PULSAR SEARCH COLLABORATORY**

Oral Presentation

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Abstract: The Pulsar Search Collaboratory (PSC) engages high school students and teachers in analyzing real data from the Robert C. Byrd Green Bank Telescope for the purpose of discovering new pulsars and the hope of contributing more pulsars to the NANOGrav network. The PSC trains participants through an integrated online platform, complete with pulsar plot certification tests, training videos, and an online discussion forum. Students who analyze enough data are eligible to attend two in-person PSC events: a Capstone symposium at a host university where students present their work, and a Summer Institute at the Green Bank Observatory where they learn advanced pulsar data analysis and other STEM skills. Through working with each other, teachers, and scientists, students gain long-term confidence and interest in pursuing STEM careers.