

Sam Homiller Wins Department of Energy Graduate Student Research Program Award

Written by Administrator

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[Samuel Homiller](#), one of our PhD students, is among a group of students selected nationally as a recipient of the U.S. Department of Energy (DOE) Graduate Student Research ([SCGSR](#)) Program award. The award supports the research of graduate students in STEM fields with a \$3,000 per month stipend and an opportunity to conduct part of their thesis-related research at DOE laboratories. Homiller's award runs the duration of the 2018-19 academic year.

Homiller conducts theoretical and computational research in high energy physics within the [C. N. Yang Institute for Theoretical Physics](#). More specifically, his research project investigates measurements at CERN's [Large Hadron Collider](#) in an effort to better understand the [Higgs boson](#), and how it relates to the electroweak force, which is part of the standard model of particle physics.

To conduct this research, Homiller will be working with Professor [Sally Dawson](#) at Stony Brook and Brookhaven National Laboratory.

The DOE's Office of Science provides the funding for the SCGSR awardees. Sixty students from 47 institutions received the honor.

