

HAMPTON UNIVERSITY GRADUATE SUMMER PROGRAM

HUGS | 40 years!

May 27 - June 13, 2025

Jefferson Lab, Newport News, VA

The HUGS Program at Jefferson Lab is a summer school designed for experimental and theoretical nuclear and particle physics graduate students who have finished their coursework and have at least one year of research experience.

Acceptance into the program is competitive, with a limited number of scholarships available through grant support from the U.S. Department of Energy.

Lectures

Jefferson Lab Science (C. Gal - JLab)

Introduction to QCD and factorization theorems (A. Smonelli - U. of Rome, Italy)

AI for nuclear physics (C. Fanelli - William & Mary)

Nonperturbative methods in QCD (C. Weiss - JLab)

Hadron Spectroscopy (A. Austregesilo, JLab / A. Pilloni - U. of Messina, Italy)

Fundamental symmetries with neutrons (N. Fomin - U. Tennessee, Knoxville)

Lattice QCD (K. Orginos, William & Mary)

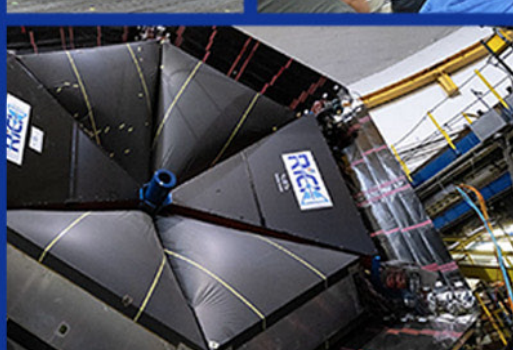
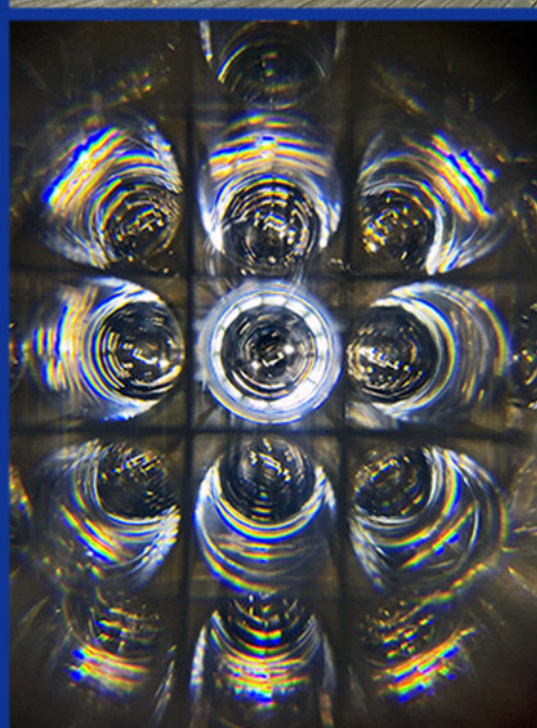
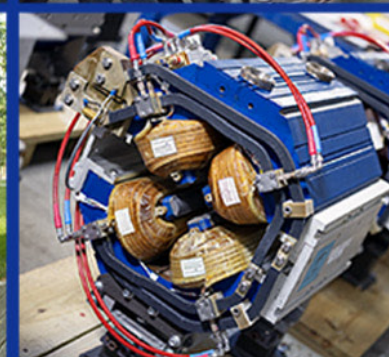
Mesasuring large-x quarks (A. Tadeipalli - JLab)

Topical Seminars

SoLID: Parity Violation and Beyond (M. Nycz - U. of Virginia)

Global QCD analysis (W. Melnitchouk - JLab)

The MOLLER experiment at Jefferson Lab (TBA)



**Deadline for application:
February 7th, 2025**



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