

## **PhD opportunities in the ATLAS group at Brandeis University**

The ATLAS group at Brandeis University encourages qualified applicants to apply to its Physics PhD program: <https://www.brandeis.edu/physics/graduate/index.html>. The deadline for submitting applications is January 15, 2022; the start date is between May and August 2022. The successful applicants must obtain their Bachelor or Masters degree by June 2022.

The ATLAS group at Brandeis (Profs. Aram Apyan, Craig Blocker, and Gabriella Sciolla) pursues a broad physics program presently focusing on the measurement of Higgs boson properties, precision Standard Model measurements, and direct searches for physics beyond the Standard Model. The group also contributes to the Inner tracker (ITk) Strips detector upgrade for the High-Luminosity LHC run and to the ATLAS Tracking Combined Performance group activities.

The typical curriculum for a Brandeis PhD student in ATLAS consists of:

- One or two years of classes (depending on the preparation of the student);
- One year at Brookhaven National Lab or CERN focusing on ITk detector development;
- Two-three years at CERN focusing on Physics Analysis and Combined Performance.

Applicants interested in receiving additional information should contact Prof. Aram Apyan, e-mail: [arapyan@brandeis.edu](mailto:arapyan@brandeis.edu) and Prof. Gabriella Sciolla, e-mail: [sciolla@brandeis.edu](mailto:sciolla@brandeis.edu).

Additional information:

<https://www.brandeis.edu/physics/people/profiles/apyan-aram.html>

<https://www.brandeis.edu/physics/people/profiles/sciolla-gabriella.html>