

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, 2021; the start date is between May and August 2021. The successful applicants must obtain their Bachelor or Masters degree by June 2021.

Currently, the Brandeis ATLAS group comprises three faculty members (G. Sciolla, C. Blocker, J. Bensinger). The group contributes to various aspects of ATLAS including Higgs ($H \rightarrow 4l$ and $H \rightarrow WW$), Standard Model, and Exotics analyses, Muon Detector, Inner Tracker (ITk Strips), Tracking Combined Performance, and Muon Combined Performance.

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. Gabriella Sciolla sciolla@brandeis.edu.