

# Pauli Kehayias



**Graduate Institution:** University of California, Berkeley

**Location:** Berkeley, CA

**Graduate Discipline:** Atomic, Molecular, and Optical Physics

**Hometown:** Brookline, MA

## **Research Interests:**

*My primary research interest is in atomic, molecular, and optical (AMO) physics. I'm currently working on spectroscopy experiments with a femtosecond frequency comb, which is a laser that emits light at regularly spaced frequencies. My past work has included projects in experimental neutrino physics, accelerator physics, radio astronomy, nuclear physics, and nutrition.*

## **About me:**

*I study physics because I want to understand how nature works at a fundamental level. I also enjoy solving interesting problems, and physics has the best problems. In high school, I was convinced to pursue physics research after working on developing an instrument that measures human body fat and muscle composition using X-rays. As an undergraduate I worked on projects in many branches of physics before settling on AMO physics.*

*In addition to research, I also enjoy teaching and discussing physics. My other interests include programming, electronics, building things, and cycling. I'm also a relatively serious amateur violinist, and I play in student orchestras in my spare time.*



U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Science