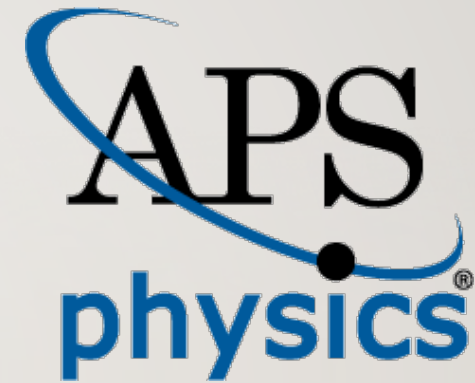


APS CAREER PROGRAMS



Crystal Bailey, APS Careers Program Manager

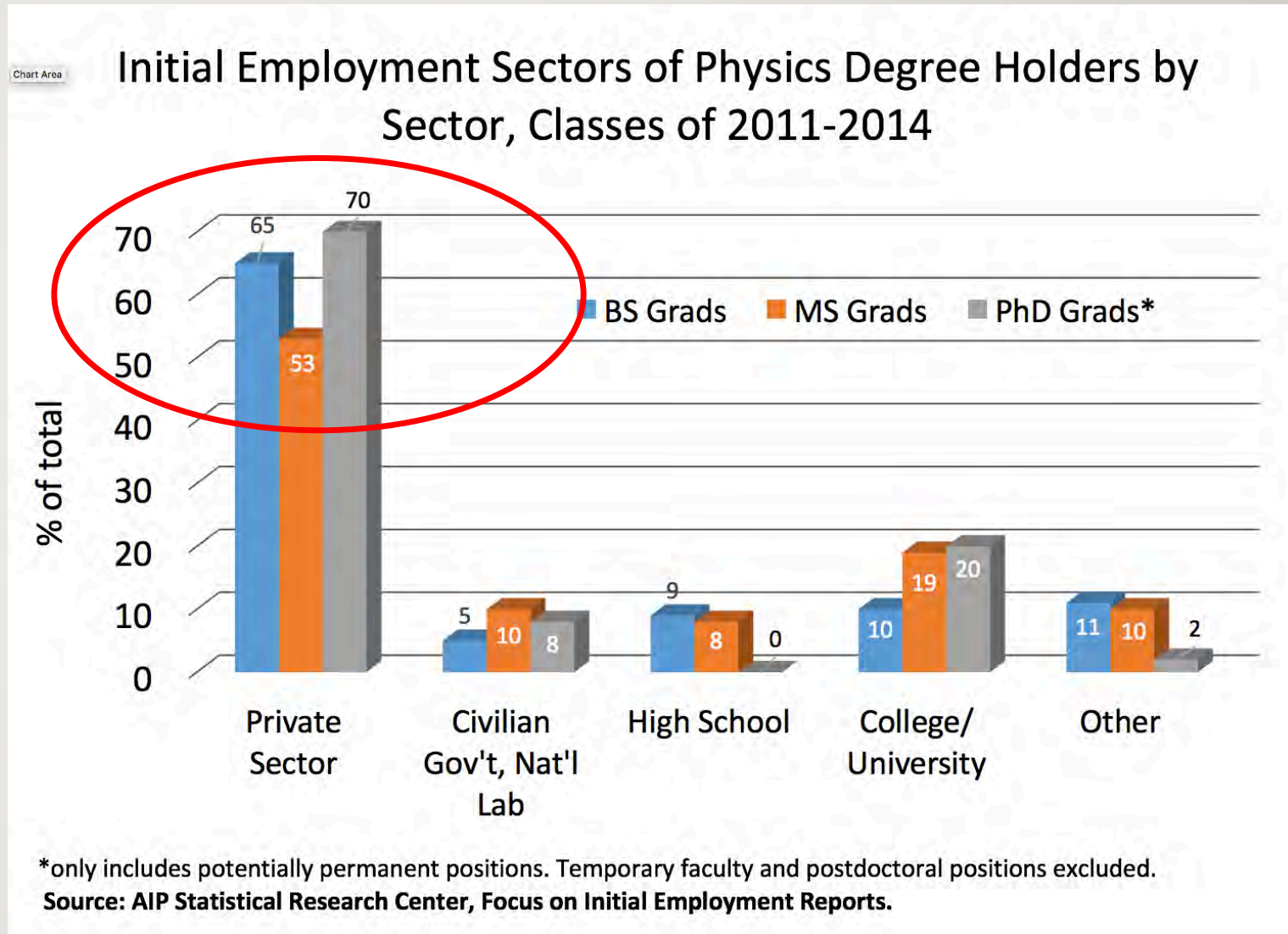
Steven Lambert, APS Industrial Program Manager

A Philosophical Moment

- In 2014, approximately half of physics bachelors went straight into the workforce after graduation
- The same year, about 40% of MS recipients and PhD recipients entered the workforce.

The vast majority of all three groups found employment in the private sector.

Career Advice → Strong Industrial Focus



Career Events at Meetings

Workshops and Presentations at Section and Division Meetings

- Interactive workshops or talks (DAMOP, DPP):
 - planning and self-assessment
 - networking
 - informational interviews
 - writing an effective resume
- Appropriate for undergraduates, grad students and EC physicists
- Also offer workshop on Effective Communication (DAMOP)



Panels

- Organized and moderated panels focused on industry (planning 3rd event at DAMOP, 6th year at APS March)
- “Lunch with the Grads” panel at APS April Meeting for undergraduate students



Recruitment Opportunities

APS Job Expo/Job Fairs

- Currently held at DPP and APS March Meeting
- Linked to APS Job Board
- Participating Employers receive unlimited postings, job seeker participation is free
- On-site interviews space available



Employer/Job Seeker Networking

- Held at Division Meetings (e.g. DAMOP)
- Early career members registered for meeting submit information on expertise, job market availability, and time and date of poster/talk at meeting → listing of job seeker information distributed to employers
- FREE of charge to any interested Unit

Online Resources

Careers Website

- Physicist Profiles
- Job Prospects Profiles
- Tools for Educators → Speaker's Lists
- Physics InSight slideshow → perfect for hallway displays!

Physicist in a Government Funded Laboratory
Career Profile

Education BS, MS, or PhD in physics or in a related field	Additional Training BS level - prior research PhD - prior research or postdoctoral appointment
Salary BS \$35,000 - \$57,000 PhD \$70,000 - \$95,000	Outlook BS init. employment: 10% PhD init. employment: 15%

What They Do
National laboratories employ physicists from a variety of degree paths—BS, MS, or PhDs. Some examples of activities of physics bachelors working in national labs include:



- Serving as an interface between physicists and engineers.
- Turning prototype systems into field-deployable units.
- Testing off-the-shelf or laboratory developed equipment to determine if it meets experimental requirements.
- Evaluating engineering designs and parts.
- Performing computer simulations.

Physics masters and PhDs working in national labs often find themselves managing resources and people in addition to doing research. Activities of these physicists in national labs can include:

- Seeking clients and funding for research, either alone or with a team of other scientists. Clients are usually government agencies.
- Researching issues of interest to clients. Research may be performed experimentally in a laboratory or through computer modeling and simulation. Research areas may be classified or sensitive.
- Traveling to field sites to test equipment developed in a laboratory in an actual working environment.
- Interfacing with clients, laboratory staff, and management to report research progress and challenges.
- Developing financial plans to stay within program cost and

Physicist Profiles

Claudia Alexander
Claudia likes to write science fiction and ride horses when she's not studying comets and moons.





physics InSight

PHYSICIST PROFILE

Christina Barrow (Medical Physics)
Medical Physicist
Department of Veterans Affairs - Baton Rouge, LA

Why Physics?
Christina had an early interest in math and science.
"I was always tinkering around the house as a child, trying to figure out how and why things worked."
Christina started off as an electrical engineer, but wanted her work to impact medicine. So she decided to study Medical Physics in grad school.
Christina now works at the Department of Veterans Affairs in Louisiana.
Her job is to treat cancer patients with radiation therapy. She ensures they receive the correct dosages of radiation—those which destroy tumors and do minimal damage to healthy tissue.



APS Online Professional Guidebook

- Topics include self-assessment, networking, interviewing and negotiation strategies, and more.
- Each chapter features 5-minute "webinette" clips from the top APS careers webinars

www.aps.org/careers



bailey@aps.org

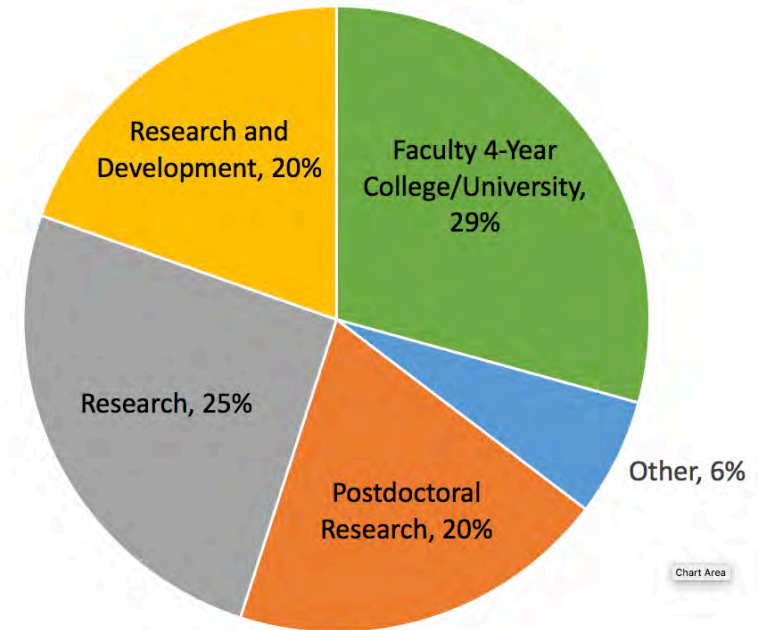
APS Job Board

- Part of a shared jobs database (Physics Today, AVS, IEEE Computing, AAPT, SPS, and others)
 - Jobs posted through APS are visible through all portals
 - Job Seeker resumes stored on APS job board visible to employers using all sites
 - Greatly expanded visibility for job postings vs. listserves, university sites, etc.
- Postings include resume database search
- Packages are available 30-day, 60-day, or 90-day postings, as well as multiple-job bundles
- FREE 60-day internship postings

careers.aps.org



Distribution of Work Function for Jobs Posted on the APS Job Board 2017



*Total number of job postings included = 362