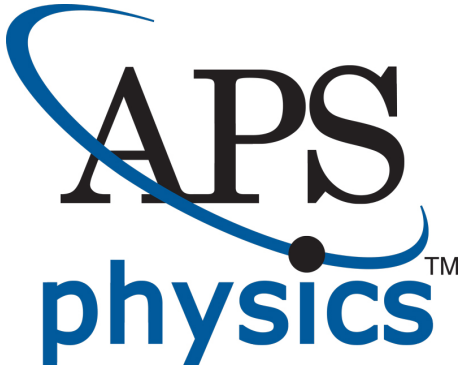
The American Physical Society & USLUA

Julia Gonski,
on behalf of the APS Council

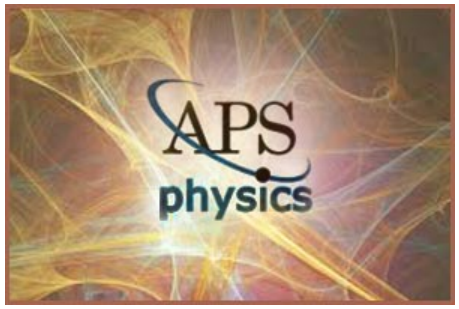
4 November 2016
USLUA Annual Meeting



Outline

- Introduction to APS
  - Leadership & structure
  - Involvement with high energy physics
- What are the common goals?
- Where can we go from here?

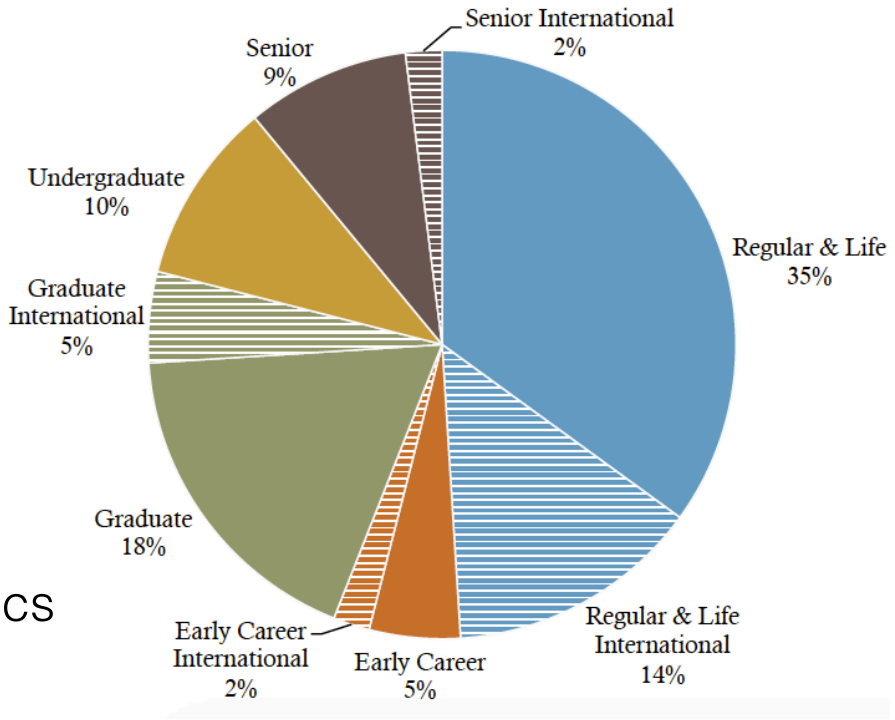
Introduction to APS



- About 53,000 members nationwide
- Publishers of Physical Review journals, host of March & April meetings
- <u>Leadership:</u>
  - Elected:
    1. Council– science, membership, prizes, and policy statements
    2. Board of Directors– management, governance, and finance
  - Management Staff: publishing, international affairs, diversity, public affairs, etc.
  - **New!** CEO (Kate Kirby) from recent corporate reform

APS Structure

- Variety of unit types
  - **Divisions**: fields of physics
  - **Forums:** other interests (outreach, international affairs)
  - **Sections**: organized geographically (i.e. New England)
  - **Topical Groups**: smaller physics topics



1. **Division of Particles & Fields (DPF)**
   - 3,500 members
   - Leadership participation in HEPAP, P5, & US neutrino program discussions
2. **Forum on Graduate Student Affairs (FGSA)**
   - Nearly 1/3 of APS members are students

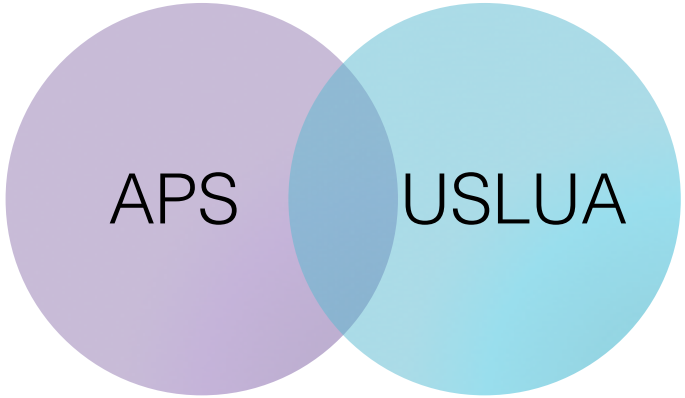
APS Office of Public Affairs

- Coordinate communication between physics community, general public, and federal government
- Supplemented by Panel on Public Affairs (POPA) and Physics Policy Committee (PPC)
  - Often includes past **APS Congressional Fellows**
- Policy Team:
  - Mike Lubell, Director of Public Affairs
  - Gregory Mack, Government Relations Specialist

APS and HEP

- ~20 APS fellows nominated by DPF every year
- 8 prizes awarded annually to high energy physicists
- APS values the contributions of CERN to Physical Review Journals & supports Open Access principles
  - Current OA deal includes articles in PRL, Physical Review C and D; to be continued through 2017
  - Over 400 CERN papers published OA since 2013

What are the common goals?



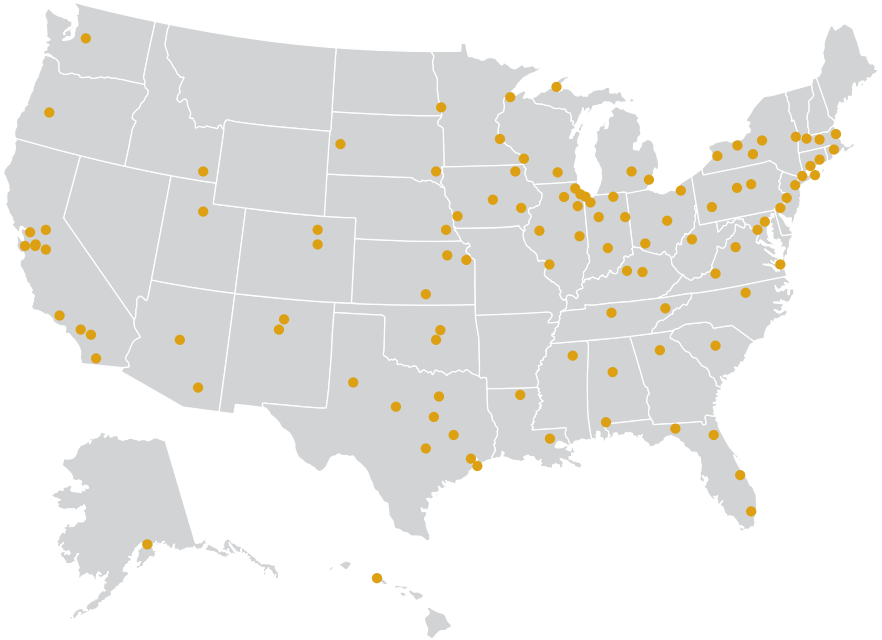
- ✓ Advocate for LHC experiments in the US particle physics program, guided by P5 recommendations
- ✓ Maintain open line of communication with Congress on matters of federal funding
- ✓ Enhance & support the high energy physics community

LHC Advocacy in the US

- CERN needs more specified advocates
  - National lab directors can directly approach DOE, NSF, Congress, etc.
- Past ideas of DPF leadership line getting involved
- USLUA is an excellent resource here

Particle Physics Is a National Effort

Scientists, engineers, and technicians at **193 universities and laboratories in 44 states** build high-tech tools and components, conduct scientific research, and train and educate the next generation of innovators. Particle physics facilities at laboratories in the United States attract more than 4,000 scientists from around the world every year.



(Image credit: DPF brochure)

Congressional Visits Day

- Typically occurs around Leadership Convocation in January (in time for Presidential budget request)
- APS has ‘asks’ that usually come from public affairs office & are approved by Council
  - Last year: American Research Investment Fund (ARIF), National Academy of Science study on early childhood education

Congressional Visits Day

1. Coordinate asks between APS and USLUA
   - Constructive interference between two visits
   - Staggered timing allows for natural follow up

2. Communication with APS Public Affairs office

3. Reach out specifically to physicists in Congress
   - APS hosts 1 fellow per year (personal or committee staff)
   - AAAS, AIP also place PhD graduates in Congressional offices

Contact Congress

- Held at March and April meetings (coordinated by Greg Mack)
- Automatically find & send letters to the user's specific Congressional representatives
- Could look into setting up similar desks at USLUA events

(Image credit: APS News May 2006)

2017 April Meeting: “Quarks to Cosmos”

- Covers 6 of the APS divisions, including DPF
- **This year:** January 28 – 31 in Washington, D.C.

- Opportunities for involvement:
  1. Volunteer at USLUA booth!
  2. Participate in APS Congressional Visit Day
  3. Help with “Contact Congress” efforts

Conclusions

- Many ways for USLUA & APS to work and benefit together
- Upcoming events:
  - APS April Meeting: January 2017
    - USLUA Booth
    - Contact Congress campaign
  - Congressional Visit Days: January 2017
  - DPF Meeting: July 31 – August 4, 2017 at Fermilab
- **Get involved with APS--** 2017 elections underway

Resources

- APS Leadership: http://www.aps.org/about/governance/leadership/
- Division of Particles & Fields: http://www.aps.org/units/dpf/governance/index.cfm
- APS Policy & Advocacy: http://www.aps.org/policy/index.cfm
- “Contact Congress”: http://www.aps.org/policy/tools/write-congress.cfm#/
- 2017 April Meeting: http://www.aps.org/meetings/april/
- Congressional Science Fellowships: https://www.aps.org/policy/fellowships/congressional.cfm