

Where Government and Science Intersect

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Fermilab Colloquium

- I gave a FNAL Colloquium March 25
- See http://www-ppd.fnal.gov/EPPOffice-w/colloq/colloq_04_05.html for the streaming video and my slides
- That talk gives more detail about what I've been doing since I left physics

Obligatory Resume Slide

- BA Physics, Grinnell College, 1990
- MS Physics, Michigan State University, 1993
 - Worked on SciFi for CDF endplug upgrade
- PhD Physics, University of New Mexico, 1997
 - Worked on SVX II fibers, Run IB trilepton SUSY Search
- Postdoc at UCLA (until 2002)
 - Worked on CMS endcap muon software
 - Worked on CDF endplug showermax software
 - Taught physics for poets lecture class

Short history, 2002-2005

- 2002-2003 APS Congressional Science Fellow
 - Worked on nonproliferation for Rep. Edward Markey (D-MA)
- Worked for Federation of American Scientists
 - Co-authored *Flying Blind: The Rise, Fall, and Possible Resurrection of Science Policy Advice in the United States*
<http://www.fas.org/resource/12022004142618.pdf>
- Now at American Association for the Advancement of Science
 - Connect scientists with policy-makers on science & security related topics: I am a *lobbyist!*

Many ways for scientists to interact w/ gov't

- Become Congressional staff
 - Hard, as seen as overqualified
 - One way is to get AAAS fellowship
- Become Agency staff
 - Many scientist jobs there!
- Work for Non-Governmental Organization
 - Some are activists (e.g. Alliance for Nuclear Accountability)
 - Some are analysts (e.g. RAND)
 - Some are both (e.g. Union of Concerned Scientists)
- You can use as much or as little of your scientific training as you want

What about university-based jobs?

- There are many universities that have programs dealing with science and security
 - The skills of a particle physicist certainly would be useful!
 - Monte Carlo (simulate accumulation of debris in space)
 - Hardware (build a better radiation detector)
 - Plenty of other interesting topics: cybersecurity, border control, cargo/air/rail security, nuclear proliferation, etc
 - Visit www.aaas.org/cstsp/ for links to several groups in the US
 - Also look at the Department of Homeland Security's Centers of Excellence

How to find jobs

- We run a weekly email list that includes science & security related event, internships, jobs and fellowships
 - Email cstspinfo@aaas.org to sign up
- Can also contact me (btannenb@aaas.org) to chat further about government jobs