Apologies in Advance

· This talk will NOT be about science directly.
· Hopefully you will learn something you can use later on.
· Examples are incomplete and the lowest hanging fruit.
· This talk is not much different from previous versions.
My Goals

· To convince you…
  · Germany is working hard to become more attractive to top-notch researchers such as yourselves.
  · Parallels between German and SLAC research interests are quite easy to draw.

· To provide you with…
  · Insight from my own experiences
  · Information about funding opportunities
  · A map of Germany’s many research institutes.
Part I: Why me?

· Spent one year on fellowship in Germany.
· At Max Planck Institute for Nuclear Physics in Heidelberg between undergrad and grad studies.
· Studied TeV gamma-ray astronomy.
DAAD Research Ambassadors 2010
Part II: Why Germany?

- Germany is trying to reinvent itself as the ‘Land of Ideas’
- Trying to be more attractive to top local and foreign talent.
The Excellence Initiative

- German Universities initially designed to be more-or-less equal across the country.
- None of these universities excelled on an international stage.
- To improve international standing, an extra 2 billion euro invested in universities:
  - ~ 40 research schools
  - ~ 30 “Clusters of Excellence”
  - Many of these are directly relevant to research taking place at SLAC!
Part III: Research Landscape

- You already have lots of reasons to go in research-wise.
- Research groups probably have connections in place.
- Feuerzangenbowle!
Research Institutes

- Deutsches-Elektronen-Synchrotron (DESY).
- More than 80 Max Planck Institutes across the country focusing on everything from nuclear physics to oceanography to religious studies.
Overlapping Research
Project Parallels: Some Examples

· High energy astrophysics experiments H.E.S.S. & MAGIC are primarily located in Germany.
· Two free electron lasers in development, FLASH and XFEL, both located at DESY.
· Multiple collaborative institutions on 4 LHC experiments (ATLAS, CMS, ALICE, LHCb).
· Max Planck Institutes for Astrophysics, Microstructure Physics, Plasma Physics, usw.
· List far from complete…
Part IV: Funding

- The Deutscher Akademischer Austauschdienst (DAAD), or German Academic Exchange Service.
- The Alexander von Humboldt foundation has great postdoctoral fellowships.
- The Deutsche Forschungsgemeinschaft (DFG), or German Research Foundation also have fellowship programs.
Graduate Programs of note

· DAAD Research Grants (10 months and short term grants)
  · How I got to Germany.
  · Open to all academic fields

· AvH German Chancellor Fellowship
  · Applicants: BA required; must have been received within the last twelve years
  · Application: must identify host and draft project proposal
  · Funding: 1 year (2,000-2,600 EUR)
  · For prospective leaders and young professionals of US citizenship
Shorter Term Postdoc Programs

· DAAD Research Grants (10 months/short term grants)
  · Applicants: Postdocs may apply within 2 years of completing their PhD
  · Open to all academic fields

· DAAD Rückkehr-Stipendium (6 months)
  · Applicants: Postdocs, Researchers
  · Open to all academic fields
Longer Term Postdoc Fellowships

· AvH Humboldt Research Fellowship
  · Applicants: Apply w/in 4 yrs. of PhD
  · Funding: 6-24 month period in Germany; 2,250 EUR

· AvH Sofja Kovalevskaja Award
  · Applicants: Apply w/in 6 yrs. of PhD
  · Funding: Up to 1.65 mill. EUR up to 5 yrs.
  · Funds allow awardees to conduct independent research

· DFG Emmy Noether-Program
  · Applicants: May apply w/in 4 yrs. of PhD, or within 6 yrs. of MD
  · Funding: for a jr. research group for 5 yrs., amount based on project
Other Research Fellowships

- Lots of other opportunities for funding and travel…not listed here.
- I can provide information on those as requested.
- If you’re interested in anything I have to say, please talk to me!
Part V: Immigration Issues

- The language barrier is easy to tunnel through:
  - Official language of science almost always English.
  - Many words very similar to English counterparts
  - Giant words are usually compound words.
  - Intensive language courses are available!
- Visas are rather simple to acquire
  - Didn’t need a visa to enter country.
  - Hardest part was preparing the photograph.
  - Even easier if you are an EU citizen.
Conclusions

· We all have to think about what we are doing after our tenure at SLAC.
· Research institutes in Germany are making a concerted effort to attract top talent (you!) to their country.
· Research in line with what you are already doing.
· Funding opportunities available.
· If interested, talk to me!
Thank you for your attention!

Further contacts and background information can be found online at:

www.research-in-germany.de
www.daad.org
www.avh.de
www.dfg.de