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# Stanford Graduate Student Orientation 2015

## SLAC Session - Introduction

Aaron Roodman, PPA faculty chair

Bill Weis, PS faculty chair

# The Stanford Physics Community

School of Humanities & Sciences

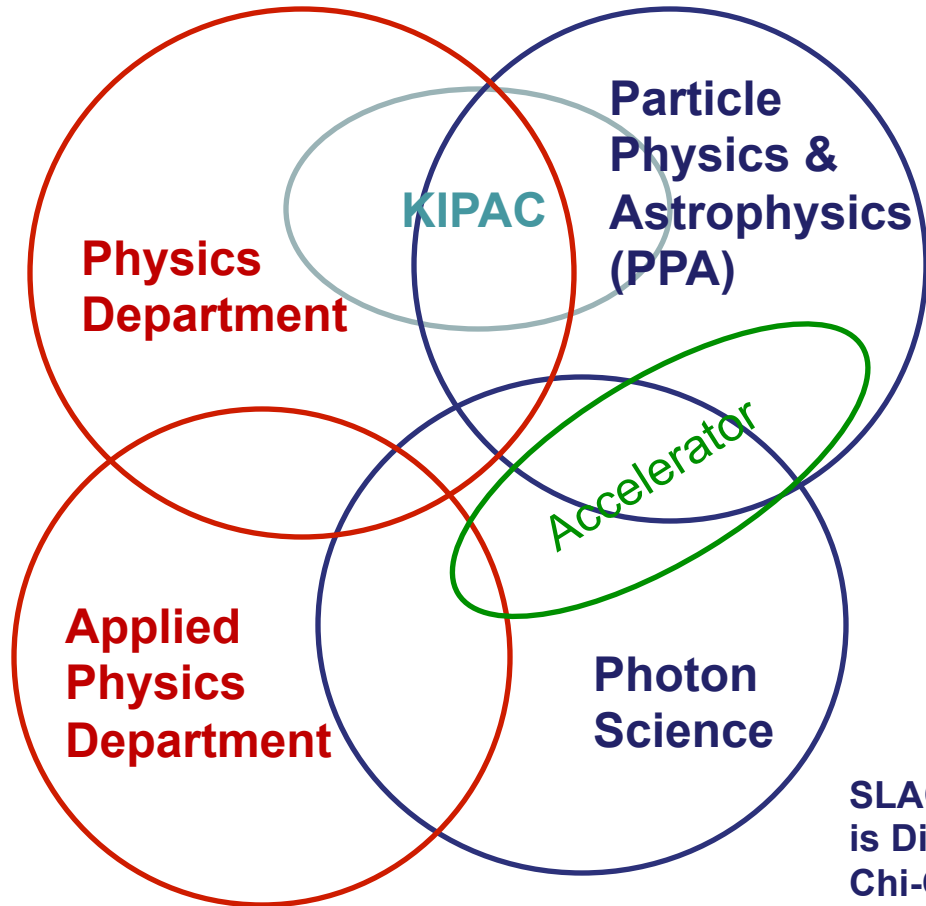
School of SLAC

A complex structure,  
but also means  
more opportunities.

You can choose faculty  
advisors from  
4 departments

SLAC as a national lab  
and also an academic  
school is unique to  
Stanford/SLAC

1<sup>st</sup> year rotations may help  
you steer through the maze...



SLAC Dean  
is Director  
Chi-Chang Kao

# Resources at SLAC

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- The vast resources of a national lab available to you to take advantage of for your own education
  - Accelerator facilities
  - Computing and software expertise
  - Engineering expertise
  - Schools, Workshops, Meetings, Talks
- [Marguerite shuttles](#) operate 7:30am~8:30pm between campus and SLAC ~every 20min during week days.

# Research at SLAC

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- The diverse research activities at SLAC are summarized at <https://www6.slac.stanford.edu/research>
- Astrophysics and cosmology
- Elementary particle physics
- Accelerator Research
- Biology
- Environmental Science
- Materials, Chemistry & Energy Sciences

# SLAC Contacts and Information

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- SLAC PPA faculty:
  - Chair: Prof. Aaron Roodman
  - Graduate Student Program: Prof. Ariel Schwartzman
  - Graduate Student Support: Adrienne Higashi
  - List of Faculty: <https://ppa.slac.stanford.edu/ppa-faculty>
  - Research information:
    - PPA student info: <http://www.slac.stanford.edu/gen/grad/>
- SLAC Photon Science faculty:
  - Chair: Prof. Bill Weis
  - List of faculty <http://home.slac.stanford.edu/photonScienceFaculty.html>
  - Research information:
    - <https://www6.slac.stanford.edu/about/organization/photon-science.aspx>

# SLAC Orientation Program

Time	Program/Presentation	Speaker
9:00--9:20	Introduction	Aaron Roodman Bill Weis
9:20—9:45	Accelerator Physics	<u>Zhirong Huang</u>
9:45—10:05	LCLS	<u>Bill White</u>
10:05--10:25	SSRL	<u>Mike Toney</u>
10:25—10:40	<b>Break</b>	
10:40—11:00	Photon Science	<u>Davis Reis</u>
11:00—11:20	Particle Physics Theory	<u>Alex Friedland</u>
11:20—11:40	Particle Physics Experiment	<u>John Jaros</u>
11:40—12:00	Particle-Astrophysics & Cosmology	Dan Akerib
12:00--14:00	ROB patio/hallway <b>Lunch + Poster session **</b> <b>Conversations between students and faculty/staff</b>	
14:00—15:30	Tours: a) Accelerator: Klystron gallery / FACET / NLCTA b) Photon Science: LCLS / SSRL	
14:30—17:00	Open office/lab	