
Stanford Graduate Student Orientation 2019

SLAC Session - Introduction

Ariel Schwartzman

Aaron Roodman, PPA Faculty Chair

Piero Pianetta, Photon Science Faculty Chair

JoAnne Hewett, Chief Research Officer

The Stanford Physics Community

School of Humanities & Sciences

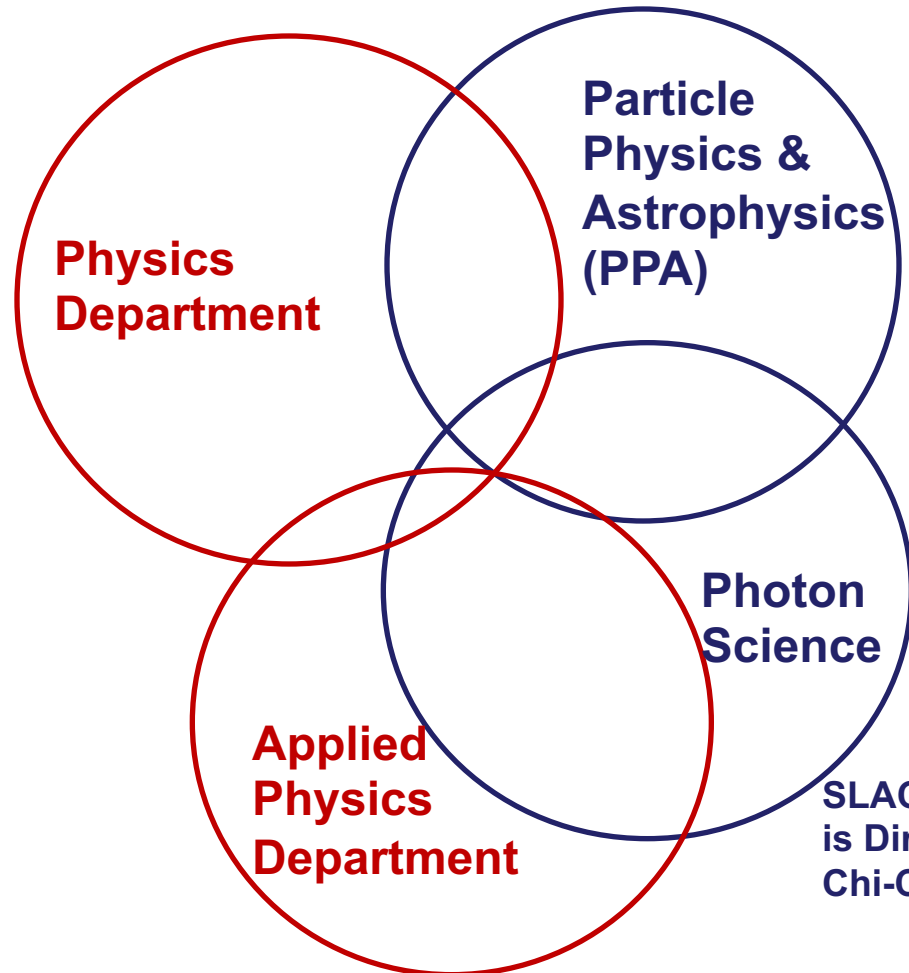
School of SLAC

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

1st year rotations may help
you steer through the maze...



SLAC Dean
is Director
Chi-Chang Kao

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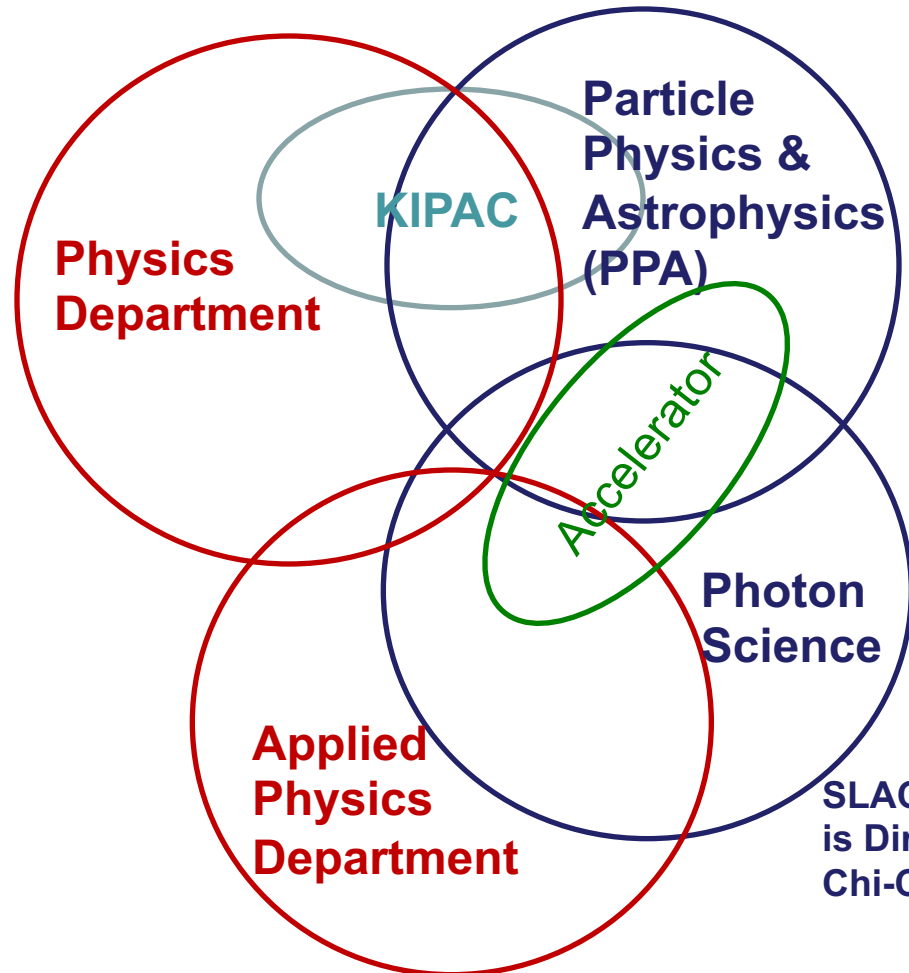
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Research at SLAC

Diverse research activities at SLAC are summarized at

<https://www6.slac.stanford.edu/research>

- Accelerator Research
- Astrophysics and cosmology
- Elementary particle physics
- Environmental Science
- Machine Learning
- Materials, Chemistry & Energy Sciences
- Matter in Extreme Conditions
- Scientific Computing
- X-ray Science

Resources at SLAC

- The vast resources at national lab is for you to take advantage of for your own education
 - Accelerator facilities
 - Staff scientists with broad range of expertise
 - Computing and software expertise
 - Engineering expertise
 - Schools, Workshops, Colloquia, Seminars
- Marguerite shuttles
SLAC Line operates 7:30am~8:30pm between campus and SLAC ~every 20min on week days.
Line S has peak hour services between campus, Palo Alto CalTrain station and SLAC.



SLAC Contacts and Information

- SLAC PPA faculty:
 - Chair: Prof. Aaron Roodman
 - Graduate Student Program: Prof. Ariel Schwartzman
 - Graduate Student Support: Adrienne Higashi
 - PPA faculty list: <https://faculty.slac.stanford.edu/particle-physics-astrophysics-faculty>
 - PPA student info: <http://www.slac.stanford.edu/gen/grad/>
- SLAC Photon Science faculty:
 - Chair: Prof. Piero Pianetta
 - PS faculty list: <https://faculty.slac.stanford.edu/photon-science-faculty>

SLAC Orientation Program

Time	Program/Presentation	Speaker
9:00--9:10	Introduction	Ariel Schwartzman
9:10--9:30	Theory at SLAC	Michael Peskin
9:30--9:50	Particle Physics and Astrophysics	Tom Shutt
9:50--10:10	Photon Science	Michael Minitti
10:10--10:30	Accelerator Physics	Zhirong Huang
10:30--12:00	Panofsky lobby <i>Light Refreshments and Poster session</i> <i>Conversations between students and faculty/staff</i>	
12:00	On the go bag lunches Open labs/offices/tours	