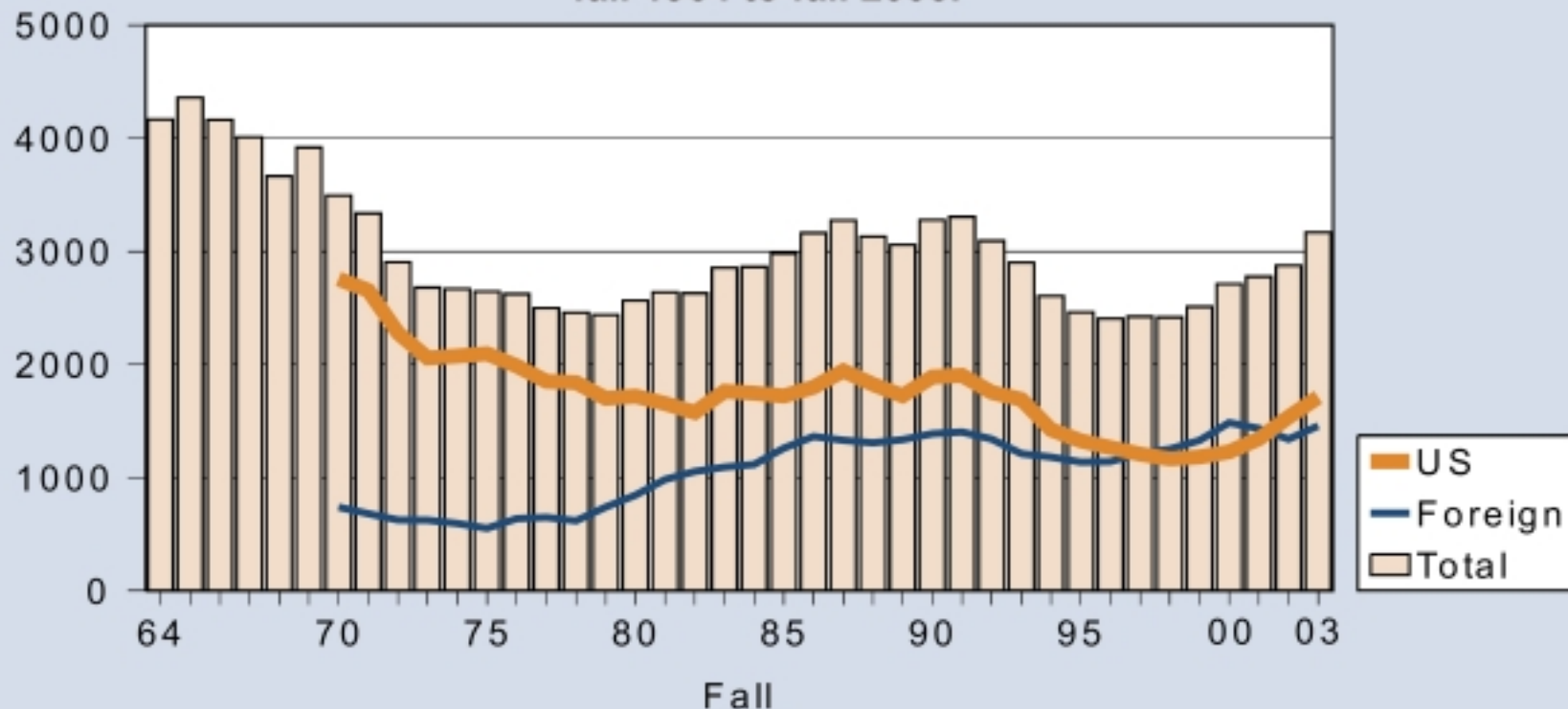


PFPF: Trends in Physics Graduate Education

October 12, 2005

The following statistics (and others) can be found at <http://www.aip.org/statistics/>

First-year US and foreign graduate physics students, fall 1964 to fall 2003.

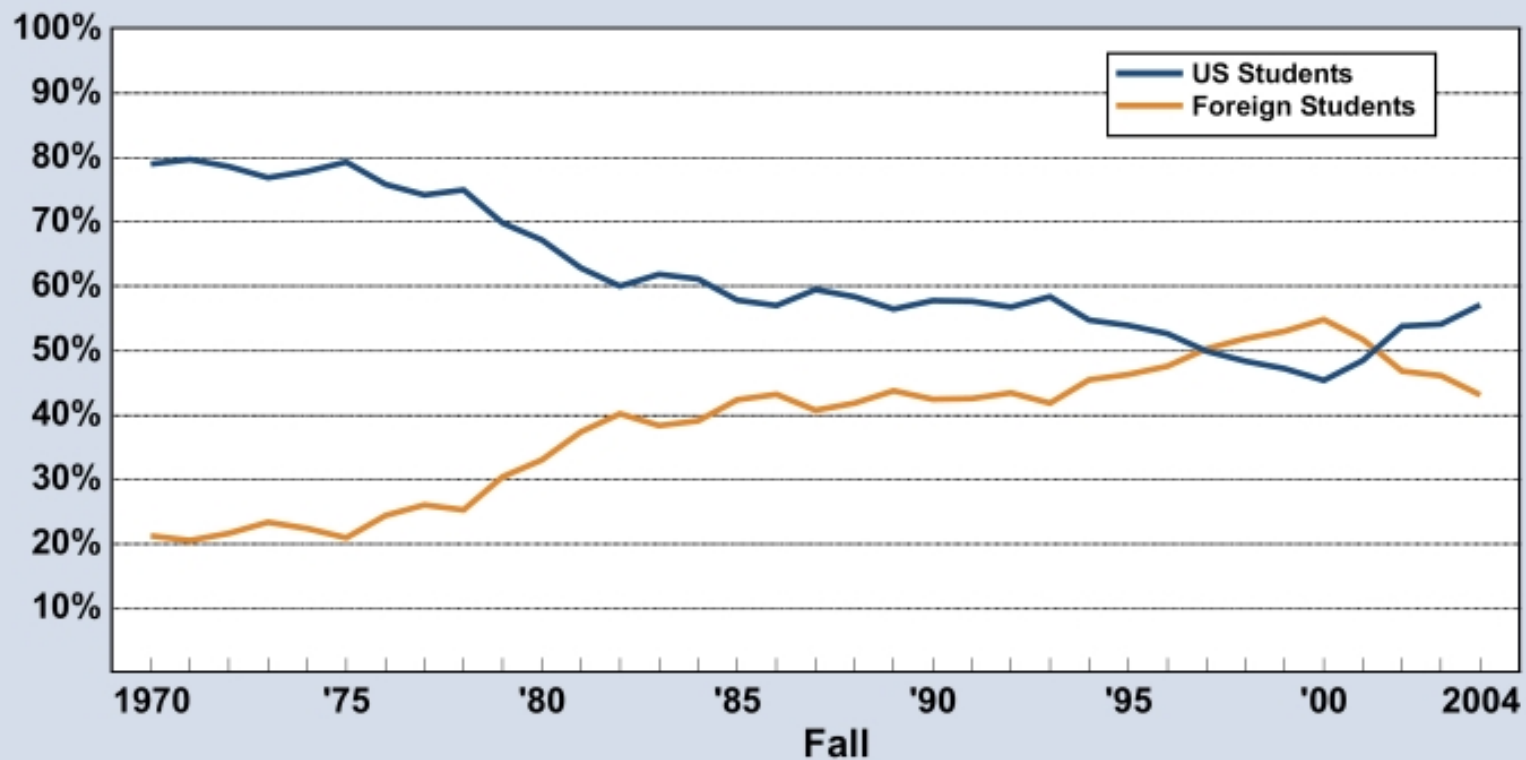


Note: A change in wording on the 2000 questionnaire resulted in more accurate data on first-year graduate students. This change was responsible for 3% of the reported 8% increase in total first-year students between fall 1999 and fall 2000.

Source: AIP Statistical Research Center, Enrollments and Degrees Survey

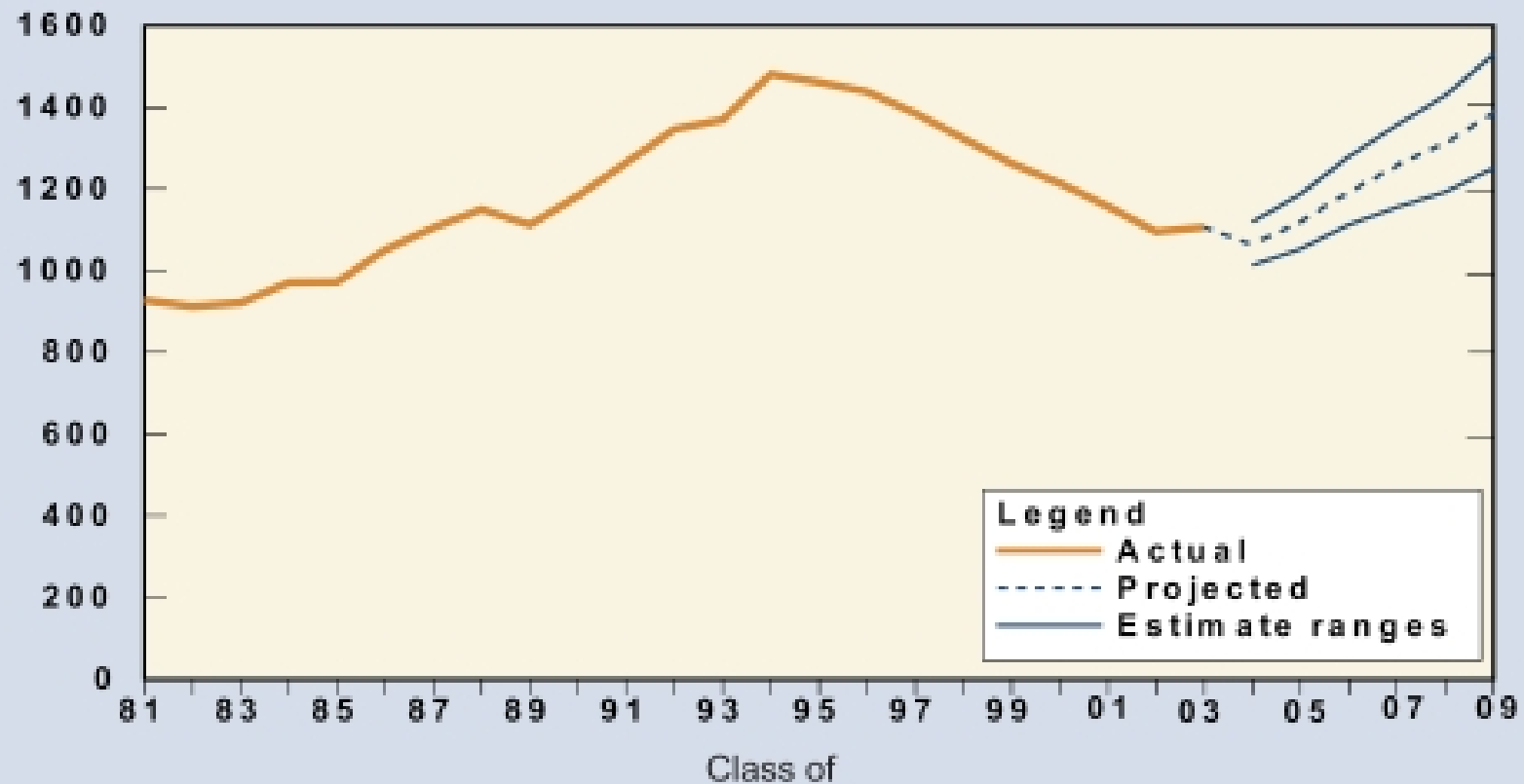
Figure 1. Citizenship of First-Year Physics Graduate Students, Fall 1970-2004.

Percent of Students



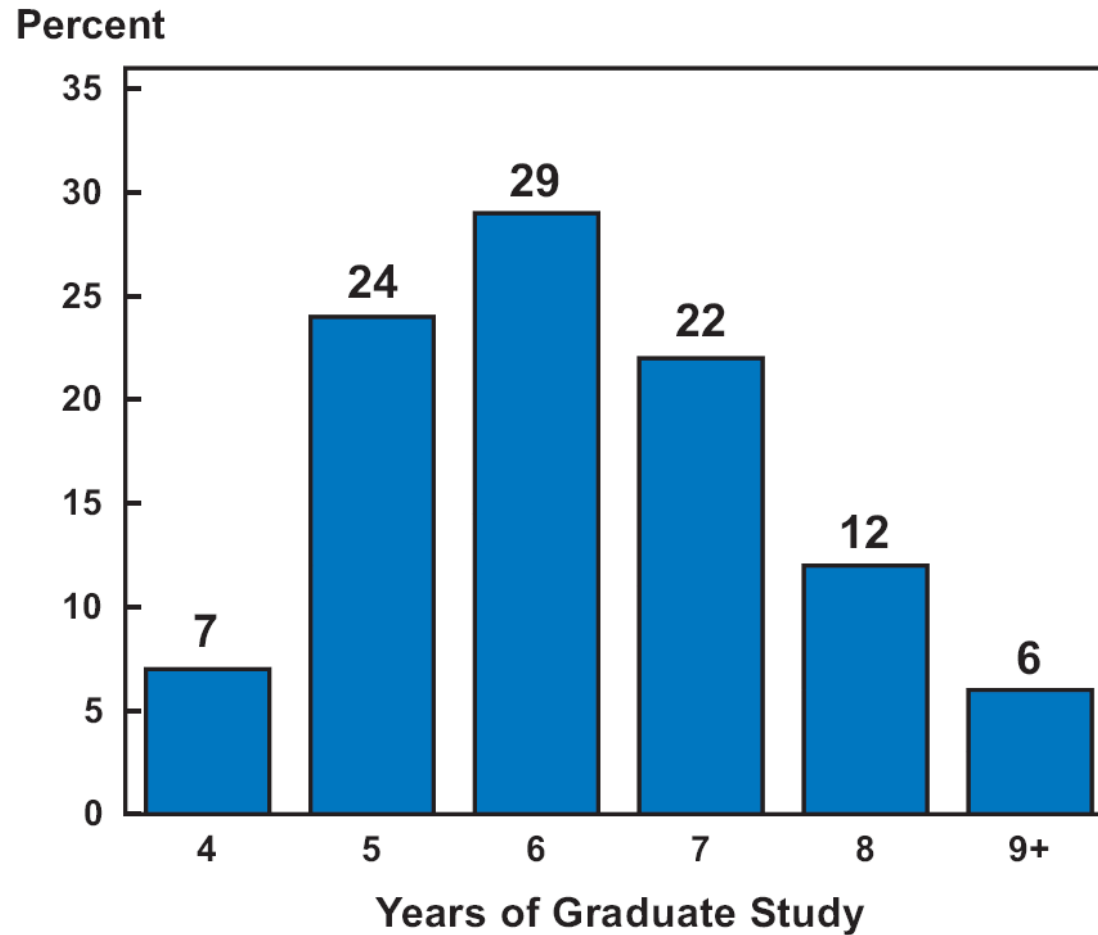
AIP Statistical Research Center: Physics Students from Abroad.

Figure 7. Projections for the number of PhDs in the classes of 2004 through 2009.



AIP Statistical Research Center, Enrollments and Degrees Report.

Physics PhD - How Long Does it Take?



This graph depicts the number of full-time equivalent years of physics graduate study completed by the combined PhD classes of 2001 and 2002. US Citizens Only.

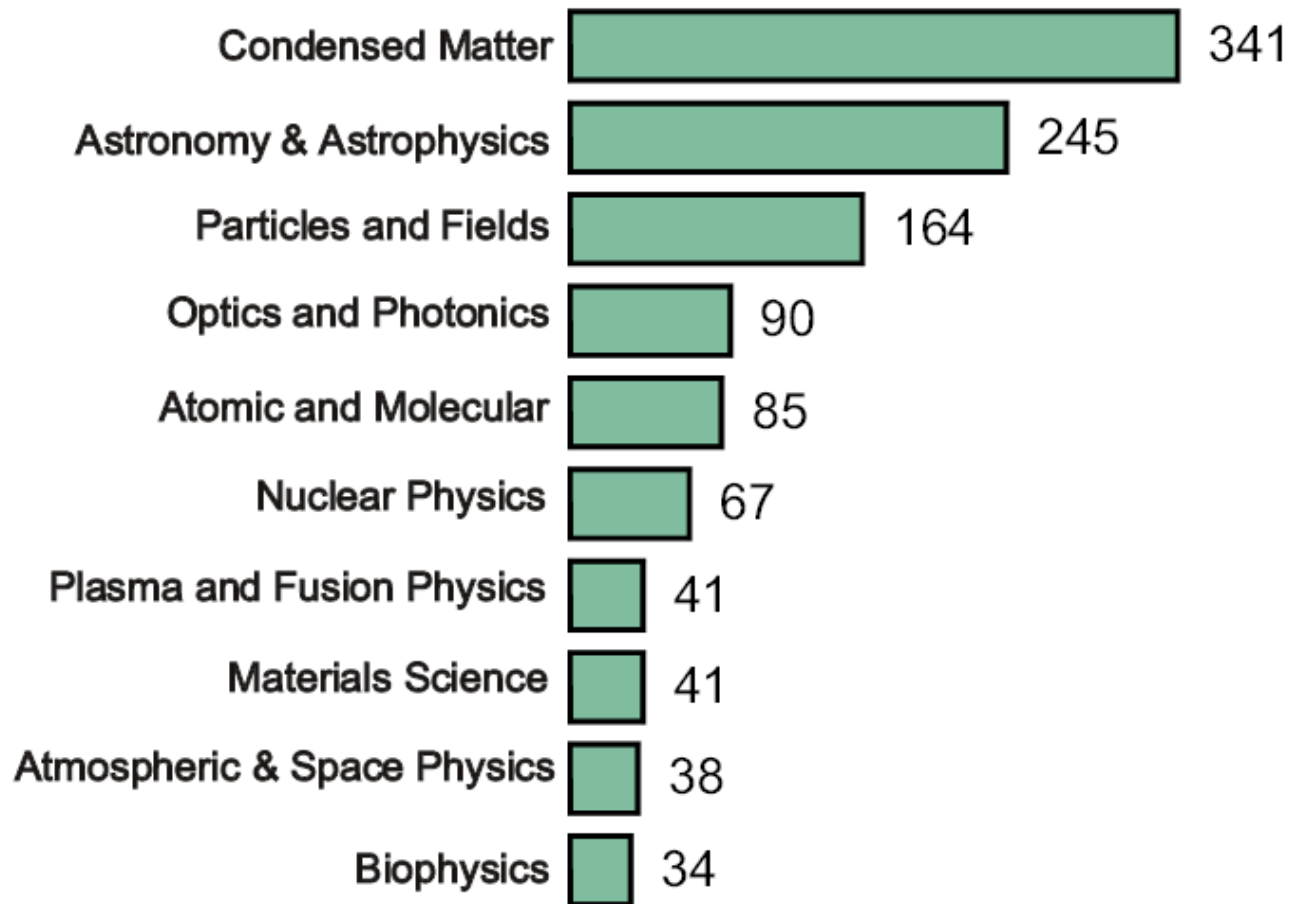
Table 10. Departments averaging 15 or more physics doctorates per year, classes of 2001, 2002 and 2003.

	<u>Annual Average</u>		<u>Annual Average</u>
MA Inst of Technology	33	U of California, Santa Barbara	17
U of Texas-Austin	31	U of Maryland, College Park	17
U of California-Berkeley	30	CA Inst of Technology	16
U of IL-Urbana/Champaign	30	U of CA, Los Angeles	16
SUNY-Stony Brook (NY)	27	U of MN, Minneapolis	16
Stanford U (CA)	22	U of Wisconsin, Madison	16
Harvard U (MA)	21	U of California, San Diego	15
Ohio St U	21	Princeton U (NJ)	15
Cornell U (NY)	18	Stanford U, Applied (CA)	15

Note: List includes only those departments who contributed degree data for all 3 years.

AIP Statistical Research Center, Enrollments and Degrees Report.

Number of PhDs Granted in Selected Subfields, 2000.



All Other physics subfields 207.

Based on 1353 PhD's from physics and astronomy departments.

Source: 2000 PhD Follow-up survey.

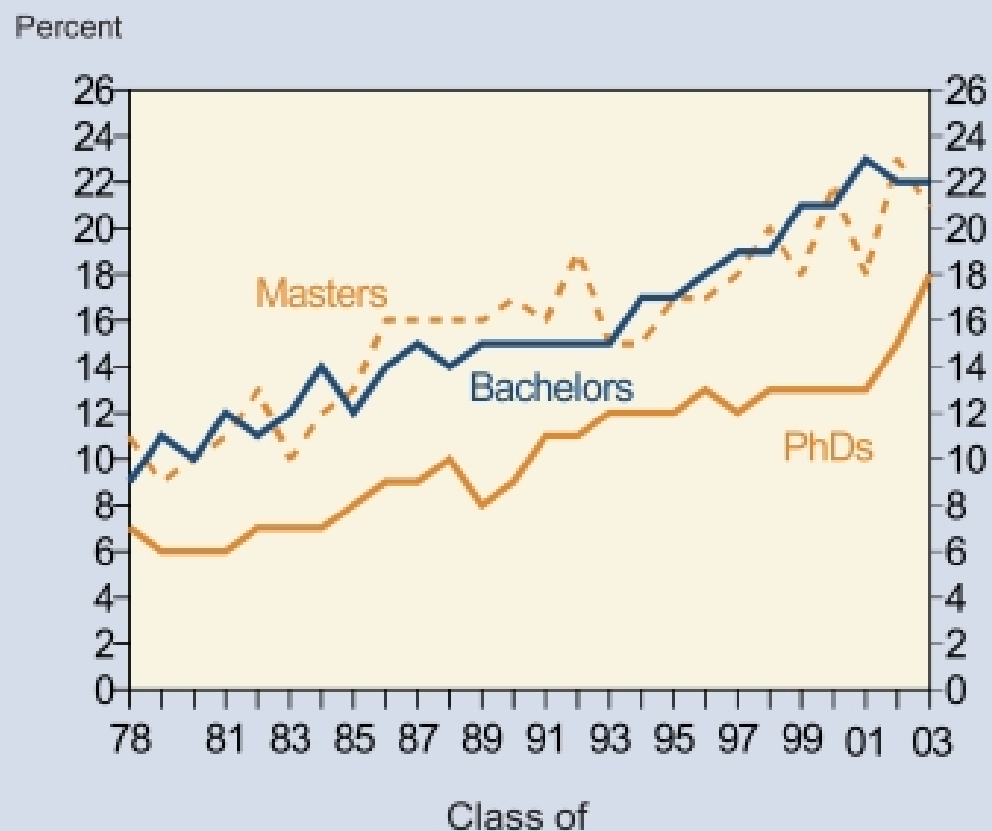
Experimentalists

Type of Support	Year of Study					All Years %
	1 %	2 %	3 %	4 %	5+ %	
Teaching Assistantship	61	36	18	12	8	28
Research Assistantship	22	52	68	72	80	58
Fellowship	14	10	13	14	9	12
Other	3	2	1	2	3	2

Theorists

Type of Support	Year of Study					All Years %
	1 %	2 %	3 %	4 %	5+ %	
Teaching Assistantship	62	49	39	38	29	44
Research Assistantship	11	36	41	51	53	36
Fellowship	23	13	17	9	14	16
Other	4	2	3	3	4	4

Figure 8. Percent of bachelor's degrees, masters degrees and doctorates in physics earned by women, 1978-2003.



Note: A form change occurred in 1994 resulting in a more accurate representation of women among physics bachelors. Some of the increase in 1994 only, may be a result of that change.

AIP Statistical Research Center, Enrollments and Degrees Report.

Table 11. Number and percent of physics degrees granted to US citizens by minority / ethnic group status, class of 2003.

	Bachelor's		Exiting Master's		PhD's	
	Number	Percent	Number	Percent	Number	Percent
African-American	152	4	15	4	12	2
Hispanic-American	144	3	14	4	13	2
White	3711	87	332	83	465	88
Asian-American	171	4	20	5	29	6
Other	110	3	18	4	11	2
Total US Citizens	4288	100%	399	100%	530	100%

AIP Statistical Research Center, Enrollments and Degrees Report.

Table 4. Citizenship of non-US first-year physics & astronomy graduate students, 1999 & 2000 vs. 2002 & 2003

	1999 & 2000	2002 & 2003
Asia		
People's Republic of China	25%	29%
India	6	10
South Korea	5	6
Pakistan, Sri Lanka, Nepal, Bangladesh	4	6
Taiwan	2	2
Japan	2	2
Other Asia	2	3
Europe		
Eastern and Central	22	12
Western	15	13
Americas		
Mexico, South and Central America	4	6
Canada	3	2
Middle East	6	6
Africa	3	2
Australia, New Zealand	1	<1

Table 5. Characteristics of first-year physics & astronomy graduate students by citizenship, 2002 & 2003

	US	Foreign
Total*	3,137	2,886
Gender*		
Male	79%	79%
Female	21	21
Median Age	23	24
Highest Physics or Astronomy Degree Expected		
PhD	81%	92%
Masters	7	4
Undecided	11	3
No degree intended	1	1
% with one or more years of prior graduate level physics or astronomy study	10%	47%
Field of Bachelors Degree		
Physics	82%	84%
Astronomy	5	5
Other	13	11
Status		
Full-Time	94%	99%
Part-Time	6	1
Current Institution Type*		
Masters-granting	11%	7%
PhD-granting	89	93

*Data from Survey of Enrollments and Degrees

AIP Statistical Research Center: Graduate Student Report