Results of DOE/NSF/DPF Survey by the Particle Data Group

Report generated on 05/07/1996 17:10:36

All Respondents

Total Respondents

Total
2494

Gender

No. of Resp. = 2388

Female	Male
196	2192

Ethnicity

No. of Resp. = 2271

African–Am	Asian–Am	Caucasian–Am	Hispanic–Am	Native–Am	Other
15	370	1774	38	12	83

Citizenship

No. of Resp. = 2462

US–Citizen	US–Resident	Other
1659	342	659

Types of Computers/Systems Used

	Resp.	PC	MAC	NEXT	VMS	UNIX	Mainframe	Other
Total	2468	1011	1253	232	1661	1687	247	89
Exper.	1610	712	907	72	1279	1131	177	33
Theory	697	250	285	140	310	446	52	49

UNIX versus VMS Usage

No. of Resp. = 2225

	Uses UNIX	Do Not Use UNIX
Uses VMS	1123	538
Do Not Use VMS	564	269

Computers Used For

No. of Resp. = 2472

Email	WWW	Word Proc	XWindow	Spreadsheet	Numerical	Algebraic
2452	2095	2270	1789	949	2095	1195

Video Conferencing

	Have Used	Found Useful
Room Based	1010	824
Workstation Based	371	294

Service Activities Related to Physics

(1990 through the present excluding university teaching)

No. of Resp. = 1278

Education 978	Federal 313	State 32	Woman 85
Minority 74	Lab (PAC, etc.) 287	Tech Trans 135	Other 146

Physics Activities (current and future)

No. of Resp. = 2475

Exper 1615	Theory 710	Accel 347	Accel Theory 138
Stand Mod 898	Beyond SM 693	QCD 630	New Part Search 582
Phenom 476	String Thy 163	Formal Thy 214	Lattice 107
K Physics 191	D Physics 260	B Physics 631	Cosmology 264
W Physics 333	Z Physics 394	ν Physics 340	Astrophys 333
Phys at Colliders 1057	Fixed–Target Phys 448	Non–Accel Phys 274	Low p_T Phys 132
Software Dev 771	Detector Dev 853	Admin 274	Other 202

Physics Activities by Experimentalists (current and future)

No. of Resp. = 1615

Exper 1615	Theory 59	Accel 241	Accel Theory 62
Stand Mod 599	Beyond SM 384	QCD 326	New Part Search 497
Phenom 192	String Thy 5	Formal Thy 5	Lattice 4
K Physics 126	D Physics 194	B Physics 501	Cosmology 77
W Physics 239	Z Physics 299	ν Physics 253	Astrophys 212
Phys at Colliders 893	Fixed–Target Phys 408	Non–Accel Phys 212	Low p_T Phys 111
Software Dev 677	Detector Dev 836	Admin 216	Other 139

Physics Activities by Theorists (current and future)

No. of Resp. = 710

Exper 59	Theory 710	Accel 46	Accel Theory 44
Stand Mod 305	Beyond SM 307	QCD 308	New Part Search 96
Phenom 284	String Thy 154	Formal Thy 207	Lattice 92
K Physics 67	D Physics 68	B Physics 122	Cosmology 181
W Physics 100	Z Physics 101	ν Physics 83	Astrophys 111
Phys at Colliders 165	Fixed–Target Phys 43	Non–Accel Phys 68	Low p_T Phys 29
Software Dev 88	Detector Dev 18	Admin 35	Other 51

Current Collaborations

No. of Resp. = 1665

BNL:	E–787 26	E–821 22	E–852 20	E–864 12	E–871 3	other 112
CESR:	CLEO 153	CLEO–III 92				
FNAL:	CDF 230	D0 244	E–831 40	KTeV 53	NUSEA 5	other 351
SLAC:	SLD 93	BaBar 134	E–154 8	E–155 8	mQ 3	other 70
CERN:	ALEPH 21	DELPHI 12	L3 58	OPAL 40		
CERN:	ATLAS 120	CMS 130	other 88			
DESY:	H1 13	ZEUS 49	other 22			
Etc.:	LANL 25	Other US Accel 72	Other non–US accel 80			
Etc.:	BES 33	US non–accel 170	Non–US non–accel 72			

Current Funding Sources

	Resp.	DOE	NSF	NASA	University	Foreign	Other
Total	2386	1899	490	66	478	59	109
Exper.	1570	1276	341	40	276	26	74
Theory	682	513	135	18	183	33	31

Primary Employer

	Resp.	University	Nat Lab	Other
Total	2442	1876	535	57
Exper.	1590	1194	386	20
Theory	698	609	74	24

Percent of Research Time Devoted to HEP

No. of Resp. = 2198

Average
91.9

Teach as Part of Job

No. of Resp. = 2384

Yes	No
920	1469

Professional Membership

No. of Resp. = 1573

APS	APS/DPF	APS/DPB
1141	1083	220

Attended US Schools

	Resp.	Yes	Partial	No
High School	2391	1437	30	924
College	2382	1542	25	815
Grad School	2258	1824	102	332

Degrees (count > 15)

No. of Resp. = 2400

Degree	Number
PhD	1818
BS	1639
MS	915
BA	309
MA	233
AB	96
AM	30

PhDs by Field (count > 2)

No. of Resp. = 1727

Field	Number
Physics	1650
Astronomy	8
Astrophysics	6
Physics/Math	5
Applied Phys	3
Math	3

BSs and BAs by Field (count > 6)

No. of Resp. = 1873

Field	Number
Physics	1463
Physics/Math	116
Math	86
Engineering	17
Chemistry	14
Astronomy	7

Year Received PhD

No. of Resp. = 1788

Earliest Year	Average Year	Latest Year
1923	1979	1995

Grouped by PhD Year

No. of Resp. = 1788

PhD Year	Number
<1950	19
1950-1954	40
1955-1959	86
1960-1964	128
1965-1969	176
1970-1974	196
1975-1979	167
1980-1984	214
1985-1989	304
1990-1994	377
1995	82

Grouped by PhD Year

No. of Resp. = 1788

PhD Year	Number
<1949	11
1949-1950	16
1951-1952	13
1953-1954	19
1955-1956	27
1957-1958	39
1959-1960	35
1961-1962	45
1963-1964	68
1965-1966	64
1967-1968	70
1969-1970	92
1971-1972	76
1973-1974	70
1975-1976	63
1977-1978	75
1979-1980	65
1981-1982	79
1983-1984	99
1985-1986	119
1987-1988	125
1989-1990	133
1991-1992	145
1993-1994	159
1995	82

Grouped by PhD Year, Excluding Grads and PostDocs

No. of Resp. = 1279

PhD Year	Number
<1949	10
1949-1950	14
1951-1952	13
1953-1954	19
1955-1956	27
1957-1958	39
1959-1960	34
1961-1962	45
1963-1964	66
1965-1966	63
1967-1968	70
1969-1970	90
1971-1972	74
1973-1974	69
1975-1976	61
1977-1978	74
1979-1980	63
1981-1982	70
1983-1984	90
1985-1986	100
1987-1988	93
1989-1990	61
1991-1992	28
1993-1994	6
1995	1

Grouped by PhD Year
Excluding Grads, PostDocs, and Untenured Faculty

No. of Resp. = 1103

PhD Year	Number
<1949	9
1949-1950	14
1951-1952	13
1953-1954	18
1955-1956	27
1957-1958	38
1959-1960	33
1961-1962	45
1963-1964	66
1965-1966	62
1967-1968	69
1969-1970	88
1971-1972	74
1973-1974	69
1975-1976	61
1977-1978	72
1979-1980	61
1981-1982	59
1983-1984	74
1985-1986	62
1987-1988	41
1989-1990	27
1991-1992	16
1993-1994	5
1995	1

Previous Position Job Length

No. of Resp. = 1890

Job	Count	Average Years
Grad Student	1818	5.4
Fixed-Term Research	1253	4.1
Untenured Faculty	763	4.9
Unten. Open-Term Research	245	7.4
Tenured Faculty Or Staff	191	18.5
Chair	105	4.9
Dean	19	2.9
Lab Director	23	7.6
Other Administration	66	6.7

Current Position Job Length

No. of Resp. = 2014

Job	Count	Average Years
Grad Student	489	4.0
Fixed-Term Research	389	3.5
Untenured Faculty	136	3.2
Unten. Open-Term Research	238	11.2
Tenured Faculty Or Staff	710	14.6
Chair	42	7.7
Dean	4	2.0
Lab Director	11	10.6
Other Administration	62	7.4
Retired	41	3.1

New Occupations of Former Research Staff

No. of Resp. = 110

39 unclear or "unknown" responses not included.

New Occupation	Count
Computing Industry	22
Financial Industry	22
Scientific Industry	19
Other Science (not Industry)	17
Teaching	11
Medical	8
Unemployed	6
Law	3
Housewife/Mother	1
Theology	1