

DOE – HEP Personnel Count (FTE) for FY01 Physics Research (University) Program

- DOE-HEP Univ. group program managers did a hand count of all our grants
- We counted FTE scientists working on each project that were funded by DOE-HEP University Program

How people are counted

- people are subdivided by % time on each project
- academic faculty funded for 2 months summer salary are counted as 1 FTE (1 mo. = 1/2FTE) since full research time is funded by DOE-HEP
- postdocs/research scientists that are funded full time for the full year are counted as 1 FTE
- graduate students that are funded full research time for the full year are counted as 1 FTE

Who is in the count:

- people funded by Univ. Program, incl. OJI & ADR are counted

Who is NOT in the count:

- beginning grad students on TA's, University or other funds are not counted
- postdocs/research scientists on startup, university or other funds are not counted
- faculty not funded on the grant such as active retired people or new people on startup funds are not counted
- people (incl. scientists) supported on project funds are not counted
- technicians, engineers, computer professionals

Caveats and Other Things to Remember:

- Obtained information from proposal, program manager's notes, budget sheets – values aren't exact!!!
- This was planned for FY01 funding year – different grants come due at different times of the year!
- We could fund a grant for 1/2postdoc on CDF, but they can't find a postdoc and instead use it to fund a graduate student and travel – no way to know
- People working on X different projects get split X ways (if we know % on each, then can use it – otherwise divide equally or make estimate)
- If we only fund 4 months of a postdoc, then she is counted as 1/3 FTE

FY01 DOE-funded FTE's in HEP University Program

Program	#faculty	#postdocs/research scientists	#grad students
Theory	224.8	110.2	116.4
Experiments – Accelerator based	285.1	332.9	313.0
Experiments – Not Accelerator based	35.1	35.9	35.3
¹ BNL – fixed target	5.8	11.7	7.3
² BNL – RHIC experiments	2.2	3.0	1.0
FNAL – Collider, CDF	48.5	60.1	72.6
– Collider, Dzero	32.2	37.5	41.8
³ FNAL – fixed target	24.0	16.2	30.5
⁴ FNAL – neutrino, future	17.4	15.5	13.5
⁵ FNAL – fixed target, future	2.0	1.5	1.5
FNAL – collider, future (BTeV)	5.5	3.5	.8
SLAC – SLD	1.6	.8	6.0
SLAC – Babar	39.1	51.4	49.1
Cornell – CLEO	14.2	18.6	23.8
LANL – LSND	1.5	.6	
JLab – Radphi, HallD	1.0		2
Detector Development (ADR)	2.5	2.5	.3
⁶ Future Colliders	6.7	6.8	1.5
⁷ CERN – LEP & fixed target	9.7	20.8	24.6
CERN – LHC (Atlas & CMS)	50.3	56.8	12.3
Russia – SPIN at U70, CMD2	1.5	6.0	3.0
Germany – Zeus, HeraB	8.3	7.8	12.0
China – BES	1.0		1.0
Italy – KLOE	1.0		1.0
Japan - Belle	6.5	6.5	6.0

- K2K	2.6	5.5	2.0
Japan - SuperK	3.1	8.3	9.0
- KamLand	4.2	2.8	4.0
⁸ Astrophysics – Space Based	5.8	5.5	
⁹ Other Non-Accelerator Exp.	22.1	19.3	22.3

¹ BNL fixed target: g-2, MECO, KOPIO, E865, E864

² BNL RHIC experiments: PP2PP, STAR, PHOBOS

³ FNAL fixed target: Focus, HyperCP, KTeV, NuTeV, Selex, E791, E835(760), E706, E886(A0), DONUT

⁴ FNAL neutrino future: MiniBoone, Numi/Minos

⁵ FNAL fixed target future: CKM, KAMI

⁶ Future Colliders: NLC, Muon Collider/Neutrino Factory

⁷ CERN LEP & fixed target: Aleph, Opal, L3, Delphi, Nomad

⁸ Astrophysics, Space Based: AMS, GLAST, SNAP

⁹ Other Non-Accelerator Experiments – not in any other category above:
Auger, Whipple/Granite, Veritas, HiRes, Macro, CDMS, Nemo, Palo Verde, EXO, Soudan-II, SNO, Axion, Zeplin, Icarus, LIGO, R&D

7/13/01, updated slightly 7/24/01

FY01
DOE-funded FTE's in
HEP University Program

Program	#faculty	#postdocs/research scientists	#grad students	TOTAL
Theory	225	110	116	451
Experiment: Accelerator based	285	333	313	931
Experiment: Not Accel. based	35	36	35	106
TOTAL	545	479	464	1488

DOE – HEP Personnel Count for FY01
Advanced Technology Research Program

This is a count of FTE's working in this area that were funded by DOE-HEP Advanced Technology Research Program

Explanation and Caveats:

- FTE counts were sent in by the Researchers for the Yearbook 2000 survey
- of course, this was a snapshot and actual counts may vary
- only people funded in this program counted
- academic faculty funded for full-time research are 1 FTE
- postdocs/research scientist/grad students are head-counts

**FY01 DOE-funded Physicists in HEP Advanced Technology
Research Program**

	#faculty	#postdocs/research scientists	#grad students
Advanced Technology Research	47	76.5	79

DOE – HEP Personnel Count (FTE) for FY01 Laboratories

This is a count of FTE's funded by DOE-HEP at the laboratories.

- FTE counts were provided by each lab to DOE-HEP
- People are counted as half or full FTE per project
- As in the other counts, the numbers shouldn't be taken as exact...

FY01 DOE-funded FTE's in HEP Laboratory Programs
each lab separately
all programs added together

Lab	#staff	#postdocs	#grad students
ANL	37	9	2
BNL	60.5	12	1
FNAL	280	39	2
LBL* [*]	89	35	44
SLAC	109	25	24
TOTAL	575.5	120	73

* LBNL also includes UC-Berkeley faculty, postdocs and students!!

FY01 DOE-funded FTE's in HEP Laboratory Programs

each program separately
counts from all labs in the program added together

Program	#staff	#postdocs	#grad students
Theory	53.5	30.5	17
Accelerator Physics	165	15	23
Experiments - Accelerator based	283	57.5	24
Experiments - Not Accelerator based	41	15	8.5
Other – not specified	33	2	0.5
¹ BNL – fixed target	10	1	1
FNAL – Collider, CDF	53.5	16	7
- Collider, Dzero	45	7	1
³ FNAL – fixed target	20.5	3.5	1
⁴ FNAL – neutrino, future	34	5	0
⁵ FNAL – fixed target, future	6	1	0
FNAL – collider, future (BTeV)	9	0.5	0
SLAC – SLD + fixed target	6.5	0	2
SLAC – Babar	43.5	17	11
CERN – LHC (Atlas & CMS)	49	5.5	1
Germany – Zeus	6	1	
Japan – KamLand	1	0	0
⁸ Astrophysics – Space Based	15.5	11	8.5
⁹ Other Non-Accelerator Exp.	24.5	4	0

¹ BNL fixed target: g-2, MECO, KOPIO, E949

³ FNAL fixed target: Focus, HyperCP, KTeV, NuTeV, Selex, E835, DONUT

⁴ FNAL neutrino future: MiniBoone, Nu mi/Minos

⁵ FNAL fixed target future: CKM, KAMI

⁸ Astrophysics, Space Based: GLAST, SNAP

⁹ Other Non-Accelerator Experiments – not in any other category above: Auger, Whipple/Granite, Veritas, HiRes, Macro, CDMS, Nemo, Palo Verde, EXO, Soudan-II, SNO, Axion, Zeplin, Icarus, LIGO, SDSS, not-specified, R&D