U.S. Department of Energy

Office of Science

FY04 DOE-funded FTE's in HEP University Program

(Disclaimer: all #'s probably good to 5%)

Program	#faculty (FY04 - FY03)	research Scientists	Postdoc	#grad students
FY04:				
Theory	212.4 (-2.8)	1.25 (-2.15)	96.7 (-4.7)	119.5 (+5.3)
Experiments – total	322.3 (0.3)	93.4 (5.2)	274.9 (13.2)	368.6 (9.7)
Experiments – Accelerator based	276.0 (-6.3)	75.7 (1)	242.4 (9.6)	320.7 (5.9)
Experiments – Non-Accelerator based	46.3 (6.6)	17.7 (4.2)	32.5 (3.6)	47.9 (3.8)

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FY04 DOE-HEP University Program

	FY04	FY03	FY01
Experimental			
Total Base Funding	$73.8M	$72.6M	$72.6M
#faculty FTEs	322.3	322.0	320.1
Average Base/faculty	$229K	$225K	$227K
Median/faculty (by task)	$180K	$180K	--
Theoretical			
Total Base Funding	$22.8M	$23.2M	$23.5M
#faculty FTEs	212.4	215.2	224.8
Average Base/faculty	$107K	$108K	$104K
Median/faculty (by grant)	$85K	$90K	--

FY04 DOE-funded FTE's in HEP University Program

Program	#faculty	research scientists	postdoc	#grad students
Theory	212.4	1.25	96.7	119.5
Experiments – Accelerator based	276.0	75.7	242.4	320.7
Experiments – Non-Accelerator based	46.3	17.7	32.5	47.9
FNAL – Collider, CDF	46.1	12.5	58.6	82.9
- Collider, Dzero	39.6	3.6	35.6	64.0
-- Minos, Mipp ,MBoone, Minerva	26.1	2.6	16.1	19.6
-- fixed target + other	15.7	2.5	8.4	20.2
SLAC – BaBar + SLD	48.3	7.1	50.8	71.1
JLAB – Radphi, GlueX	0.75		1	1

FY04 DOE-funded FTE's in HEP University Program

Program	#faculty	Research scientists	postdoc	student
BNL – fixed target + RHIC	3.4	4.7	2.9	1.2
Cornell - CLEO	10.2	1.1	9.1	10.1
CERN – ATLAS, CMS	61.1	36.5	39.7	20.9
CERN – L3, OPAL, NA48	0.5	--	0.3	1.75
Japan – Belle, E391	5.9	1.0	8.0	11.2
Other – BES, CMD2, Zeus, KLOE	3.8	1.0	3.0	6.0
Accelerator Research	11.5	0.2	6.6	6.1
Advanced Detector Research	2.9	3.1	2.2	4.6
Astro/Cosmo – space	8.4	8.6	4.3	6.9
Astro/Cosmo – ground, undergnd	19.3	3.0	12.9	24.3
Neutrino – other	6.3	0.9	3.5	2.4
Neutrino – Japan	12.3	5.2	11.8	14.3

DOE – HEP Personnel Count (FTE) for FY04

Physics Research (University) Program

Projects/Experiments

BNL – fixed target + RHIC
g-2, PP2PP, MECO, KOPIO, E852, PHOBOS

FNAL – fixed target + other
CKM, Focus, HyperCP, KTeV, NuTeV, Selex, E760/835, Donut, BTeV

Neutrino – Japan: SuperK, K2K, KamLand
Neutrino – other: NEMO, EXO, SNO, ANITA, NOMAD, ICARUS, future

Astro/Cosmo – space: AMS, GLAST, SNAP
Astro/Cosmo – ground, underground:
Auger, Whipple, VERITAS, MACRO, CDMS, AXION, Xenon, Zeplin

Other – foreign:
BES(China), CMD2, ZEUS(DESY), KLOE(Frascati)

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DOE – HEP Personnel Count (FTE) for FY04

Physics Research (University) Program

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. = ½ FTE) since full research time is funded by DOE-HEP
- postdocs/research scientists/grad students that are funded full time for the full year are counted as 1 FTE

Who is in the count:

- people funded by DOE University Program, incl. OJI & ADR are counted
- “faculty” are teaching faculty that are supported by the university for 9 months
- “research scientist” is adjunct faculty, research faculty, visitors, research scientist, staff scientist, etc etc (not a postdoc but not full teaching faculty)

DOE – HEP Personnel Count (FTE)

Physics Research (University) Program

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
- faculty not funded on the grant, e.g. on startup or emeritus
- 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!!!
- Reflects what the groups planned to work on when they were funded – note that different grants come due at different times of the year!
- We could fund ½ postdoc on a particular experiment, but they can't find one 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)