

NSF Elementary Particle Physics

Final FY 02 Budgets and
Perspectives

HEPAP Presentations

Cornell University

August 2002



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and

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Consequences for EPP Funding:

- 1) Cuts of ~12% on renewal awards
- 2) No new base grants or supplements
- 3) \$610K additional R&D for RSVP
(Panel recommended \$2M)
- 4) LHC operations funded at \$1.6M
(~1/2 of the "LEADERSHIP LEVEL")

FY03 EPP Funding:

The **target date** for proposal submissions to the Division of Physics that are competing for FY 2003 funds is **September 25, 2002**.

The above date does not apply to proposals sent to the Physics Division in response to Foundation-wide solicitations, such as the Faculty Early Career Development (CAREER) or Research Experiences for Undergraduates (REU) programs.

Miscellaneous items:

Look at NSF web page www.nsf.gov lists "Crosscutting Programs" including information about MRI, ITR, CAREER. MRI might have additional funds.

We plan to fund some LC R&D next year - levels are budget sensitive

Adding Value To EPP

Program Funding Cuts but:

- **5 Year Career Awards (2)**
- **Quarknet 5 Year renewal Tot. \$3,661,221**
- **PFC (EPP) 5 Year Awards Tot. \$20M**
- **New ITR and MRI Awards (some complement
GriPhyN and iVDGL..)**

...Where reviews are excellent.

Broader Impact:

New NSF Proposal Policy:

Effective October 1, 2002, NSF will return without review proposals that do not separately address both merit review criteria (Research; Broader Impacts) within the Project Summary. We believe that these changes to NSF proposal preparation and processing guidelines will more clearly articulate the importance of broader impacts to NSF funded projects.

EPP "Allied Funding" Update:

PFC: \$4.0M/yr

ITR: \$6.8M/yr + NEW \$693K/yr

MRI: \$2.4M/yr + NEW \$776K/yr

ESIE: \$0.7M/yr Subtotal \$14M/yr (see below)

MREFC

LHC Const. FY 02 \$16.86M

NEW IceCube (One Year) \$15.00M

EPP Base \$60.05M

EPP "Effective" **\$106M**

New Information Technology Research Awards FY02

Tully	Princeton University	Award#:0219095	~LHC Grid	\$119K	12 months	\$119K/yr
Roland	MIT	Award#:0219063	~LHC Grid	\$142K	24 months	\$71K/yr
Yepes	Rice University	Award#:0218603	~LHC Grid	\$104K	12 months	\$104K/yr
Dasu	Wisconsin University	Award#:0219203	~LHC Grid	\$162K	24 months	\$81K/yr

New ITR Awards (cont)

Newman Cal Tech

Award#:0218937

\$250K

~LHC Grid
24 months

\$125K/yr

Huth Harvard University

Award#:0218987

\$165K

~LHC Grid
24 months

\$83K/yr

Nygren Univ. California - Berkeley

Award#:0219404

\$225K

~Distributed DAQ system
24 months

\$113K/yr

NEW ITR: \$693K/yr

(No New Large ITR in FY02)

How to Sustain Leadership?

New Major Research Instrumentation

Narain	Boston Univ	
Award#:0216360	~D0	Trigger upgrade
\$456K	12 months	\$456K/yr

FROM CISE

De	Univ. Texas Arlington	
	~D0	DAQ Development
\$0.95M	36 months	\$320K/yr

NEW MRI: \$776K/yr

Update on Columbia- Africa Program:

Physics Emasondosondo

The Physics Emasondosondo Program ("Physics-on-the-move") has now begun. It is a physics outreach program involving science awareness and teacher support in schools. The partners so far include the Gauteng Education Department, the NSF, the SAIP, the NRF and RADMASTE.

You may learn more about it from:

<http://www.src.wits.ac.za/inkosi/outreach/Mobile-lab.html>

and you may get up-to-date news from:

<http://www.src.wits.ac.za/inkosi/outreach/Mobile-lab-news.html>

OMA will contribute \$80,000

INT contributes \$50,000

EPP contributes \$6,092

UPDATE ON THE QUARKNET PARTNERSHIP

Amount (\$)

FY	Total	ESIE	MPS OMA	EPP
02	530,903	-----	530,903	
03	682,306	-----	-----	682,306
04	756,633	189,158	-----	567,475
05	801,526	200,382	-----	601,144
06	889,853	222,463	-----	667,390
Tot	3,661,221	612,003	530,903	2,518,315