



THE VIEW FROM NSF

LSC – Livingston, LA Mar. 14-17,
2001

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Through a Glass Darkly

LIGO-G010107-00-M



THE VIEW FROM NSF

- What about FY2001 ???
- FY2002 (ouch!)
- The LIGO Review Process
- MRE for Advanced LIGO
- NSF Gravity Program Staff
needs help (See April Physics Today)



What about FY2001 ???

- *Current Plan not yet approved by Congress*
OMB charged NSF with not managing facilities properly-
OMB and Congress await NSF response.
- *NSF Management still “making rules” concerning initiatives*
- *Bottom Line- Gravity budget still uncertain*

December 2000 Budget Numbers(\$M)

	NSF	MPS	PHYS	GRAV.
FY2000	3900	760	167	33.6
FY2001	4430	860	?	?
Δ(%)	+13.6	+13.2	?	?



What about FY2001 ???

Evolution of FY2001 Budget

	NSF	MPS	PHYS	GRAV
FY2000	3900	760	168.3	33.6
FY2001(2/5/01)	4430?	860	187.5	32.1
Δ(%)	+13.6	+13.2	+11.4	-4.6
FY2001(2/9/01)	4430?	855	187.5	32.4
Δ(%)	+13.6	+12.5	+11.4	-3.6
FY2001(2/21/01)	4430?	851	183.3	???
Δ(%)	+13.6	+12.0	+8.9	



What about FY2001 ???

What will happen with the \$15 M (=183.3-168.3) increase in PHYSICS ?

- ITR fence 4.6M (may help LSC)
- NANO fence 3.1
- Frontier Centers 6.0 (may help LSC)
- “Taxes” 1.3
- Total 15.0 ⇒ 0 increase for established

programs !

However, all numbers are estimates. What actually happens could be a little better- or a little worse.



What about FY2001 ???

February 9, 2001- Gravity Est. (\$M)

[but caution- this is not yet secure]

	GRA	LIGO	LSC	OTHE
FY2000	33.62 ^V	21.10	6.91	5.62 ^R
FY2001	32.45	19.10* (22.9)*	7.54	5.81
Δ(%)	-3.5	+8.6	+9.1	+3.4

*Ten Month Budget * **Annualized**

Not good numbers, but LSC is doing better than most.

Of \$630K increase \$250K is committed, leaving \$380K for all new awards and requested increases in renewals .



What about FY2001 ???

FY 2001 Gravity Program

	LSC	OTHER
• Number of continuing awards	18	28
• Renewal Proposals	6	12
• New Proposals	3	18
• Total commitments + new requests*	\$7.96M	\$6.57M
• February 9 budget estimate	7.47	5.91
• Short fall	\$ 0.49M	\$0.66M

* **Funding justified by peer review and staff analysis**



FY2002 (ouch!)

- **Current President's Budget for FY02: NSF between 1 – 2 % increase**
- **Budget will be presented to Congress - April 3.**
This is also the day NSF testifies before the Science Committee.
- **House Science Committee Chair- Sherwood Boehlert (R-NY) in Jan. 31, 2001 speech to URA:**
*“The science policy debate sometimes seems composed entirely of randomly generated numbers. We really need to push for more data. I don't say this out of any opposition to **the proposed bill**. I would like to find a way to pass it. The bill might do some good because it would put Congress on the record as saying that science spending is a real priority.”* [He's referring to bill proposed in previous Congress.]
- **NY Times article about Bush plan to move astronomy from NSF to NASA (Mar.13,'01):** *The move comes after what **Chris Ullman**, a spokesman for OMB at the White House calls “a binge” of recent funding increases for the National Science Foundation that well outpaced inflation.*

House Subcommittee on Research

The Honorable Nick Smith, Michigan, Chairman

Republican Members (12)

Lamar S. Smith, Texas

Curt Weldon, Pennsylvania

Gil Gutknecht, Minnesota

Frank D. Lucas, Oklahoma

Gary G. Miller, California

Judy Biggert, Illinois

W. Todd Akin, Missouri

Timothy V. Johnson, Illinois**

Felix J. Grucci, Jr., New York

Melissa A. Hart, Pennsylvania

+Sherwood L. Boehlert, New York

Democratic Members (10)

Eddie Bernice Johnson Texas,RMM*

Bob Etheridge, North Carolina

Steve Israel, New York

Lynn N. Rivers, Michigan

John B. Larson, Connecticut

Brian Baird, Washington

Joe Baca, California

Dennis Moore, Kansas

Lynn C. Woolsey, California

+Ralph M. Hall, Texas



Major Research Equipment (MRE)

Advanced LIGO MRE- current Phys. Div. plan

March 22, 2001: MRE Panel meets; LIGO MRE for FY04 is presented (“Few minute” presentation by R. Eisenstein)

September 2001: LIGO/LSC submits Adv. LIGO Proposal to NSF

March 2002: MRE Panel meets and LIGO MRE is presented for FY04 (“~10 minute” presentation by MPS Assistant Director)

May-June 2002: MRE Panel hears MRE proposals for inclusion in FY04 budget; review needed; NSB agenda set.

Aug 2002: NSB approves MRE Proposals for inclusion in FY04 NSF budget

for discussion with OMB in fall 2002.



New Blood at NSF Gravity
or *Who's minding the store ?*

- **VC leaves October 1, 2001**
- **RI leaves in January, 2002**

Look for Ad in Physics Today (April)

(Any volunteers or pointers ??)