

NSF/LIGO



THE CURRENT PLAN

LIGO PAC 12/12/00 V.Cook

LIGO-G000415-00-M

OUTLINE



- ◇ The NSF Gravity Program
- ◇ NSF Physics Program for FY2001
- ◇ Current Budgets
- ◇ Gravity Requests for FY2001
- ◇ LIGO Laboratory FY2002

The NSF Gravity Program [FY2000]



- ◇ Experiment ----- 12 awards
- ◇ Theory ----- 40 awards
- ◇ LIGO Laboratory- 3 awards
- ◇ LSC----- 22 awards

NSF Physics Program for FY2001

◇ New Initiatives

Physics Facilities Centers

14 full proposals invited out of 50 pre-proposals
panel review April-May 2001
expect to fund between 3 and 5

Information Technology Research

FY01 program for "applications"
pre-proposals have been submitted
Physics "share" \$7M

Nano-scale Science and Engineering

Funds not provided-but initiative will be funded
with research funds from programs that requested



◇ Program Pressures

Atomic, Molecular, Optics, Plasma

EPP

Theory

Gravity

Nuclear


CURRENT BUDGETS (\$M)

	FY00	FY01	Δ %
NSF	3900	4430	13.6
MPS	760	860	13
PHYSICS	170	?	?
GRAVITY	33.6	?	?

Best Guess for Physics Budget: $\Delta = +12\%$ (20M)

Initiatives: 20M to 6M \Rightarrow 0-8% ave. program increases

GRAVITY PRESSURES for FY2001 (\$K)



	<u>Increment</u>
Theory	406
Experiment	555
LSC	1,935 (+15%)*

◇FY 00 Gravity Program budget less
LIGO Ops = 14.5M

LIGO Laboratory- FY2002

◇ Renewal Proposal Review Process

Detector R&D Review Panel Meeting at Cal Tech	Jan. 29-Feb. 1, 2001
Operations Review Panel Meeting at Hanford	Feb. 26-Mar.1, 2001
NSF Directors Review Board	May 29, 2001
National Science Board	August 8-9, 2001

◇ LDAS Review

Mid April at Cal Tech

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