

LIGO Science Collaboration

A VIEW FROM NSF

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David Berley

NSF Budget

LIGO II

Data Analysis

FY 2001 NSF Budget

\$ millions

	FY 2000 Current Plan	FY 2001 Request	Percent Change
NSF	3897	4572	17.3
Research & RA	2958	3541	19.7
MPS	758	881	16.3
Physics	168	199	18.0

- Information Technology +159%
- Nano S&E +122%
- Biocomplexity +172%
- Workforce +113%

LIGO Budgets

FY 1999/2000

\$ Millions

	FY 1999 Actual	FY 2000 Plan	Percent Change
Physics	162.7	168.4	3.5
LIGO Ops.	21.0	21.1	0.4
LIGO R&D	6.2	6.8	9.6

LIGO II

- NSF deciding on FY 2002 projects
 - LIGO II is an MRE candidate
- NSF reviewed LIGO II Concept
 - Panel met 10/26/99
 - John Peoples (chair), Lars Bildstein, Roger Falcone, Tom Kirk, Siu Au Lee, Sydney Wolff

LIGO II Panel Recommendations

- Integrate LIGO II R&D
 - LIGO/LSC prepare an FY 2000 and FY 2001 plan
 - NSF ensure coordination and monitoring
- Prepare LIGO II proposal
 - pre-construction R&D FY 2002 - FY2005
 - strong coordination from Lab
 - complete project proposal with cost & schedule
- LIGO I termination
 - only after meaningful data results obtained

Pending Proposals

- **Currently under review (10 proposals)**
 - LIGO Laboratory
 - Staff analysis
 - PAC Review
 - NSF reviewers
- **Requests exceed available funds.** NSF will
 - use Integrated R&D plan
 - Coordination of LIGO II related research
 - maintain R&D for program beyond LIGO II

LIGO Budgets

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LIGO R&D	6.2	6.8	9.6
R&D Commitments.		5.2	
R&D Requests		3.6	
Commit. + Req.		8.8	

LIGO Data Analysis

- NSF review LDAS acquisition 5/9-11/00
 - Acquisition plan
 - CACR MOU
 - LSC White Paper
- White Paper
 - description of the science program
 - outline of responsibility assignments
 - tabulation of milestones (missing)

Summary

- FY 2001 NSF budget request up 17%
 - physical sciences, biotechnology, & information technology highlighted
- LIGO II positively reviewed
 - candidate for pre-construction R&D in FY 2002
- Pending proposals under review
- LDAS to be reviewed
 - LSC white paper
 - schedules for delivery