

**LIGO ISSUES AND AGENDA
LSC 3 MEETING
AUGUST 13-15, 1998
RAINER WEISS (MIT)**

LIGO-G980113-01-M

LSC ISSUES

New LSC Members

- Presentations by groups
- Vote by collaboration at business meeting

Technical Development Groups

- Discussion of priorities for development program at this meeting
- Discussion of the utility of the three development groups

White paper:

- Research program goals
- Criteria for branch points in the research program
- Schedule for major developments
- Division of effort
- Program deliverables
- Definition of test program

- Deadline for drafts from groups Sept 8, 1998
- Deadline for editing and synthesis September 22, 1998
- Presentation to LIGO PAC, information to NSF (date ?)

Status of Data Analysis Groups

Astrophysical source identification and signatures

- Launched

Detector Characterization

- Need for greater participation from the experimenters
- Attempt to allow time at this meeting

Detection Confidence and Statistical Analysis

- Group needs to be formed

LSC member's proposals to NSF

- Coordination with LIGO Laboratory

LSC Publications and Presentations Policy

- Poor convergence of iterations
- One/one session of committee members with interested council members

Nominations Committee and election of Spokesperson and committee Chairs

Meetings

- GWDAAW November 19-21, 1998, Penn State University, State College, Penn
- LSC Winter meeting: March 4 - 6, 1999, Gainesville, Florida
- Proposed* LSC Summer meeting August 12 - 14, 1999, Stanford, California

REVISED AGENDA - 8/11/98

REVISED AGENDA FROM R. WEISS - DRAFT III 8/11/98

AGENDA: Ligo Scientific Collaboration (LSC) Meeting 3
University of Colorado/JILA
Boulder, Colorado 80309-0440

DATES AND TIMES: August 13 - 15, 1998
Thursday/Friday 8:00 - 17:00
Saturday 8:00 - 13:00

HOSTS: Robin Stebbins (303-492-1446; stebbins@jila.colorado.edu)
Joe Giaime (303-492-0448; giaime@jilaul.colorado.edu)

MTG ADM.: Donna Tomlinson (626-395-4191; donna@ligo.caltech.edu)
LaReina Romero (303-492-7816; lareina.romero@colorado.edu)

LOCATION: Duane Physics Complex @ JILA

THURSDAY August 13

AUDITORIUM

08:00 Organization and announcements

08:30 State of the LIGO Project
Barry Barish

09:00 State of the Collaboration and plans for the meeting
Rainer Weiss

Presentations by two new proposed collaborating groups:

09:30 Center for Applied Physics Studies (CAPS)
Louisiana Technical University
Kathleen Johnston/Zeno Greenwood

09:50 Institute of Applied Physics of the Russian Academy of Science
Alexander Sergeev

Reports from the Development Sub-Groups

10:10 Stochastic Forces - Isolation systems and suspensions
David Shoemaker

10:30 Break

10:40 Sensing Noise - Lasers and Optics
Eric Gustafson

REVISED AGENDA - 8/11/98

- 11:00 Interferometer configurations
Ken Strain
- 11:20 Visit to University of Colorado/JILA Laboratories
- 12:15 Lunch
- 13:15 General discussion of the LSC technical research program
Some thoughts on the scientific context and aims (20 min)
Peter Saulson/Kip Thorne
- The organization of the research program (40min)
are the short term incremental steps being taken too small?
are the three technical development groups a useful cut
through the issues?
Eric Gustafson/David Shoemaker/Ken Strain; discussion leaders
- 14:15 The view from the NSF
David Berley/Rich Isaccson
- 14:35 Report from astrophysical signatures group
Bruce Allen/Tom Prince
- 14:55 Report from the detector characterization group
Bill Hamilton/Daniel Sigg
- 15:15 Break
- 15:30 Report from the validation and detection confidence group
Sam Finn/Al Lazzarini
- 15:50 What is going on in VIRGO
Francesco Fidecaro
- 16:10 What is going on in GEO
Norna Robertson/Ken Strain
- 16:30 What is going on in ACIGA
David McClelland
- 16:50 What is going on in TAMA
- 18:30 LSC Dinner University Club
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REVISED AGENDA - 8/11/98

FRIDAY August 14

AUDITORIUM

08:00 Business meeting of the LSC Council
New members
Funding issues
Critical issues raised by the LSC Council
Rainer Weiss

INDIVIDUAL ROOMS

08:30 Parallel sessions of the technical and data groups

12:00 Lunch

13:00 - 14:00 Good time for members of the technical development groups to participate in the work of the detector characterization group

14:00 - 16:00 "Office hours" for LSC Council members to discuss publications policy with LSC spokesperson and publications policy committee members

AUDITORIUM

16:00 Preliminary reports from the subgroups
status of "white" paper from the technical development groups
plans for position papers from the data groups

18:30 Executive committee supper

SATURDAY August 15

INDIVIDUAL ROOMS

08:00 Further subgroup meetings

Note 1, Linda Turner, 08/20/98 10:19:10 AM
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