

REPORT FROM THE  
A I C

K. STRAIN  
GLASGOW.

AIC

THURSDAY

REPORTS FROM "BENCHTOPS" (D/R SE)

ANU CIT UF TAMA

- ALL HAVING SUCCESS
- IDENTIFY COMMON LIGO II PROBLEMS

REPORTS ON ALTERNATIVE CONFIGURATIONS

SAGNALS (STANFORD)

- CONSIDERABLE PROGRESS
- CLEAR PLAN.

X-COUPLED CAVITIES (GUIDO MÜLLER)

- NEW IDEA
- NEED TO UNDERSTAND & VERIFY.  
CONFIRM / DENY.

# AIC

# FRIDAY SESSION (AM)

## PROBLEMS CONSIDERED (INCLUDE)

- REQUIREMENTS FOR IFO RESPONSES  
e.g. 2 "BROADBAND" + 1 NARROWBAND?  
KAS/LSC/+...
- POWER RECYCLING / ARM FINESSE  
TRADE  
KAS (USING MELODY)
- LENGTH OF RSE CAVITY  
(SHORT / 4 km)  
J. MASON.
- VARIABLE SR MIRROR OPTIONS  
D. McLELLAN  
KAS
- OUTPUT MODECLEANER OPTIONS  
D. McC.  
REQUIREMENTS + U.F.
- INPUT MODECLEANER OPTIONS  
(SHORT / 4 km)  
L & O  
+ CROSS GROUP COMMUNICATION
- FREQUENCY NOISE REQUIREMENTS  
P. FRITSCHEL  
+ S. MASON.

AIC      FRIDAY      P.M.

PLANNING OF GLASGOW 10M  
EXPERIMENTS

DESCRIPTION OF FACILITIES  
& EQUIPMENT

PREPARATORY WORKS

VISITORS & PERSONNEL.

EXPERIMENTAL PROGRAM

OUTLINE OBJECTIVES

YR OCT 00 - OCT 01  
SR + CAVITIES

YR OCT 01 - OCT 02  
RSE (PR + SR + CAVITIES)

AIC SATURDAY AM

NOISE COUPLINGS IN RSE

- ANALYSIS UNDERWAY
- MISSING ITEMS

MELODY AS A CONFIGURATIONS  
DESIGN TOOL

- STATUS
- ADDITIONAL FEATURES NEEDED
- CAN IT ANSWER OUR QUESTIONS?

AIC

MILESTONES

2Q00

OPTIONS REVIEW

↑  
(WILL HAVE SOME BRANCHES  
STILL OPEN)

↓

3Q00

DOWN SELECTION

2Q01

ISC    DRR

AIC

SATURDAY

PM

CONSIDER

THE MILESTONES

& EFFORT

*Note 1, Linda Turner, 05/09/00 01:58:15 PM*  
LIGO-G000052-00-D