

X-Sender: kjk95@ssdnt01.bnsc.rl.ac.uk
Date: Fri, 19 Jun 1998 12:09:43 +0000
To: Judy Long <j.a.long@rl.ac.uk>
From: Bruce Swinyard <BMS87@ssdnt01.bnsc.rl.ac.uk> (by way of Ken King
<K.J.King@rl.ac.uk>)
Subject: Actions from FTS meeting on 21st November 1997

Hi All,
Here's the actions from Friday - too late too be useful but still.....

A meeting was held at QMW on Friday 21/11/97 to discuss the design of the FTS spectrometer for the FIRST Bolometer instrument. Present were:

Kjetil Dohlen
Dominique Pouliquen
Bruce Swinyard
Gary Davis
Gillian Wright
Peter Hastings
Fraser Morrison
Matt Griffin
Martin Caldwell
Peter Ade (part)
Roger Sidey (part)

Briefly: It transpires that the SAFIRE type movement will be difficult to fit in the box. An alternative movement has been suggested by Dominique that has a folding of a factor of four but will be simpler to build and should fit in the box. No show stoppers were identified with this scheme. It was agreed that this should form the basis of a more detailed optical design by Kjetil - and if it proves to be anything like sensible - should be adopted as the baseline for the AO response.

A mechanism and position readout scheme was discussed based on the use of flex pivots and a linear motor drive with a differential inductive readout. Roger Sidey of CDL Systems presented a possible device that might be adapted to our needs.

The following actions were identified:

Make an estimate of the mass of the proposed mechanism - PH/FM (by 28/11)

Estimate the power required for a linear motor drive for the proposed mechanism - RS (by 26/11)

Produce an optical design for the BOL FTS - KD (by Thurs 27/11 a.m.)

Re-cast note on FTS operating parameters - BMS (by 27/11 a.m.)

Calculate number of bits required for FTS operation - PARA for BMS to include in note

I think that's all - let me know if I missed anything.

B.