

Subject: [Aligo_sus] Bond-noise experiment
From: Janeen Romie <romie_j@ligo.caltech.edu>
Date: Tue, 14 Sep 2004 15:05:30 -0700
To: Eric Black <black_e@ligo.caltech.edu>, aligo_sus@ligo.caltech.edu

Dear All,
I'm forwarding a document from Eric Black on a proposal for an experiment to measure the silicate bond noise. This will be on the agenda for the weekly SUS on Tuesday, Sept 21st. Eric will join us for that meeting. If this is your area of interest, please take a few moments and read the document before the meeting, so that you can provide feedback to Eric.
Thank you,
Janeen

Eric Black wrote:

Hi All,

Here is an updated draft of the conceptual proposal for a bond-noise experiment. I'm still intrigued by the capacitive transducer, but just to have some concrete numbers I went ahead and calculated the performance of an optical readout system.

Also added is a rough cost estimate. Let me know if you have any thoughts!

Eric

<http://www.ligo.caltech.edu/~blacke/T040169-01.pdf>

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