

----- Original Message -----

Subject:ILC/S0 meeting tomorrow

Date:Mon, 10 Dec 2012 12:43:15 +0000

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To:geng@jlab.org <geng@jlab.org>

CC:Fumio Furuta <ff97@cornell.edu>, Georg Hoffstaetter <gh77@cornell.edu>

Dear Rongli,

Unfortunately I was unable to find someone from Fermilab to join the meeting. In any case, it's too much to ask for someone to show the Americas summary. I'm sorry for the inconvenience.

Here is the Fermilab ILC-related news:

1) We are using most of our processing/test cycles on Project X cavities: 650 MHz 1-cells and 325 MHz SSR1's.

2) The 1-cell 1300 MHz cavities we are testing are largely for Q0 studies related to baking. One hydride study was published:

Barkov, Romanenko and Grassellino,

"Direct observation of hydrides formation in cavity-grade niobium"

<http://prst-ab.aps.org/pdf/PRSTAB/v15/i12/e122001>

3) Charlie has tumbled a LL LG IHEP 1-cell 1300 MHz cavity. We will test it when we have a chance. We will receive a 9-cell for (tumble-) processing and test when the colleagues visit early next year. This work was somewhat delayed by EBW at IHEP (nothing serious).

4) Charlie tumbled the TB9NR002 cavity which was previously quench limited to 24 MV/m. Despite aggressive tumbling, there is a weld feature remaining (attached photo). Next steps TBD.

You may let the group know these things, or I can save the info for the next meeting, as you prefer.

Best wishes,
Camille