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Memo

DATE: *February 28, 2003*

TO: RHIC E-Coolers

FROM: *Ady Hershcovitch*

SUBJECT: **Minutes of the February 28, 2003 Meeting**

Present: Xiangyun Chang, Ady Hershcovitch, William Mackay, Thomas Roser, Triveni Srinivasan-Rao, Dejan Trbojevic.

Topics discussed: 939 Setup, Simulation & Calculations.

939 Setup: in answer to Thomas' question, Triveni reported on the status the 939 setup. Mechanical assembly of the initial setup and major components of the cryogenic system have been completed and liquid nitrogen cool-down was performed at AES during February 19 - 21, 2003. A blank was inserted where the cavity would have been. The liquid nitrogen cool-down was designed to primarily to ensure that all parts exist, check sensors and measure movements due to mechanical contractions. And also check for laser alignment. Performance was as expected.

Cool-down to liquid nitrogen of RF cavities is expected shortly to ensure that brazing connections hold. Low level RF measurements are expected to commence in mid-March.

The deposition chamber has now a good vacuum of $3x10^{-11}$ Torr. The pressure is probably lower. The cold cathode gauge, whose reading limit is $2x10^{-11}$ Torr, most likely limits the reading. Tests in the deposition chamber could begin as soon as it is clean, and evaporation experiments can start in mid March when Dave Dowell from SLAC is expected to come. Dave has vast experience in this deposition area. With his help, the learning curve should be hopefully shortened.

Simulation & Calculations: Xiangyun is in the middle of simulations. He said that he had nothing significant yet to report.