



SLAC Director's Office

ALL HANDS MEMO

TO: All Hands

FROM: Burton Richter

SUBJECT: First Beam in our B-Factory

May 12, 1997

A handwritten signature in black ink, appearing to read "Burton Richter".

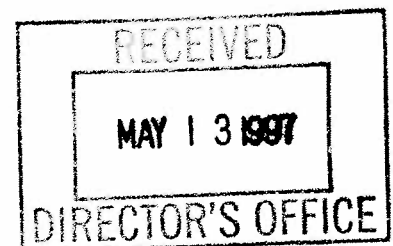
Congratulations to all the SLAC community!

At about 3:00 a.m. on May 10, 1997, the first beam was injected into the PEP-II high energy ring and immediately traveled a third of the way around the 2 kilometer circumference, reaching a beam stopper at PEP Interaction Region 2. (The beam stopper is there because not all the components are installed, and we don't yet have a complete ring.) This first beam is a remarkable achievement because no corrector magnets were used, testifying to the quality of the work and the near perfect alignment of the machine. There is still lots of work to do to complete the ring, test the electronics, finish the installation of the second ring, and start the physics which we expect to happen early in 1999.

This achievement is a testimonial to the quality of the work of the SLAC staff and those involved from Lawrence Berkeley National Laboratory and Lawrence Livermore National Laboratory. Some of you have been more closely involved with work on the new machine, but all of us have been involved in one way or another, and this first success is a credit to everybody in the entire laboratory.

To the crew directly involved in building PEP-II, my thanks for a fine job, and a particular thanks to those in the lab who worked what seemed to be night and day for the last few weeks in getting the ring ready to accept beam. You all have a right to be proud of yourselves.

On the back of this page is a picture of the florescent screen at the beam stopper a third of the way around the ring from the injection point. The bright stripe you see is the image of the beam which looks remarkably good for this first trial.





10-May-97, 3:00am - First e- to HER IR-2 dump-block

MAY 10 1997