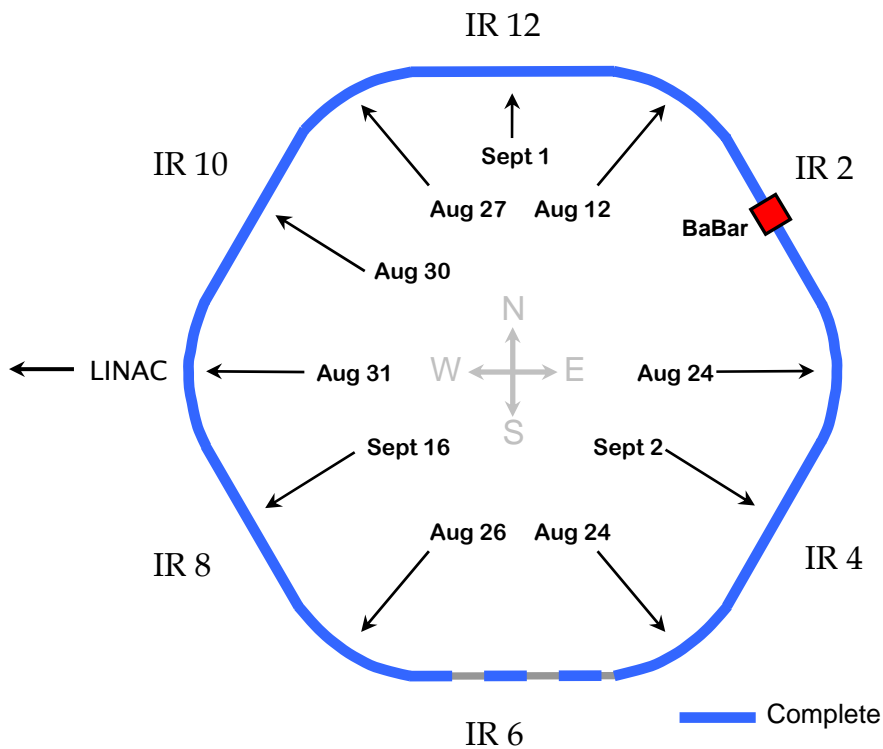


Summer / Fall 2004 Downtime
AEG Week 7 Summary

PEP-II Quadrupole & Sextupole Survey

**Completed Measurements of PEP-II
Quadrupoles and Sextupoles September 17, 2004**



Click on [blue line](#) or IR number for details

Alignment Engineering Group Summer 2004 Downtime

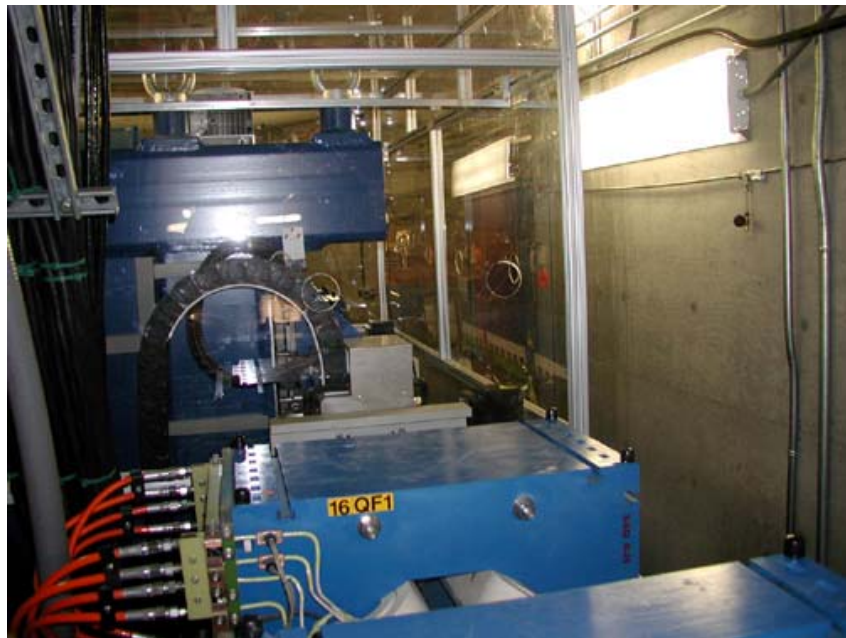
- Tuesday September 14
 - o Finish R6
 - o Start R8

- Wednesday September 15
 - o Finish R8
 - o Finish tiltmeter observations

- Thursday September 16
 - o Repeat of some magnets in R8. Only 4 magnets at the end of R6B to record in order to have the full ring. Waiting until the area is less crowded.

SPEAR3 Alignment

- Monday September 13
 - o Start processing tracker and leveling data
- Tuesday September 14
 - o Study changes in monument positions since last map as well as magnet center position versus ideals.
- Wednesday September 15
 - o Add 2 tracker stations around the West Straight area. One just in front of BL11 ID (needed to install an orange bracket on the wall and drill holes in the protective cover in order to allow cross shot)



- Thursday September 16
 - o Laser tracker survey using arcing techniques for the matching cells in the East Straight
 - o Decide on a global X move in the West straight area.
 - o Perform the X moves in cell 1 and part of cell 18

- Friday September 17
 - o Move cells 18 and 17



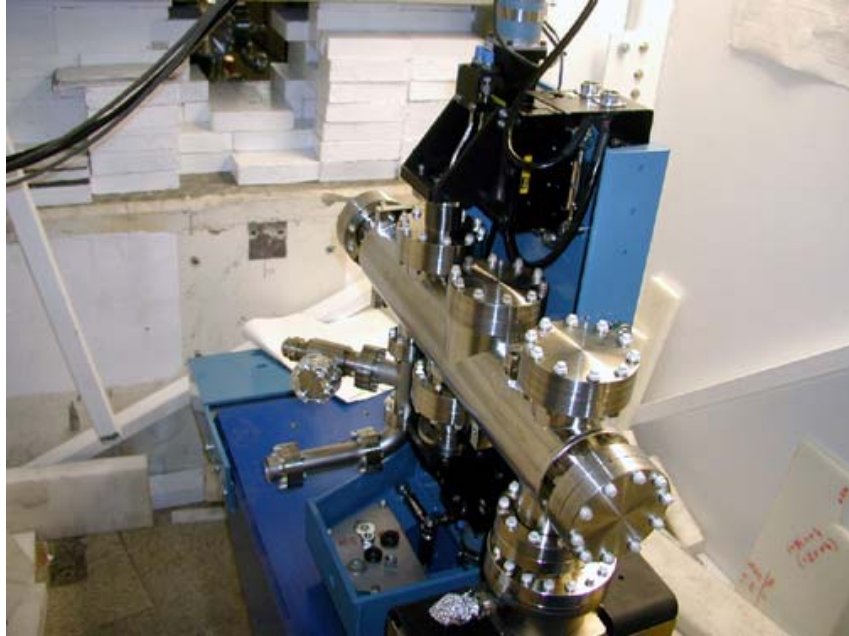
- Saturday September 18
 - o Continue to move cells

Linac Laser Alignment System

- Thursday September 16
 - o Pumping started, need to wait for proper pressure.
- Friday September 17
 - o Still waiting.

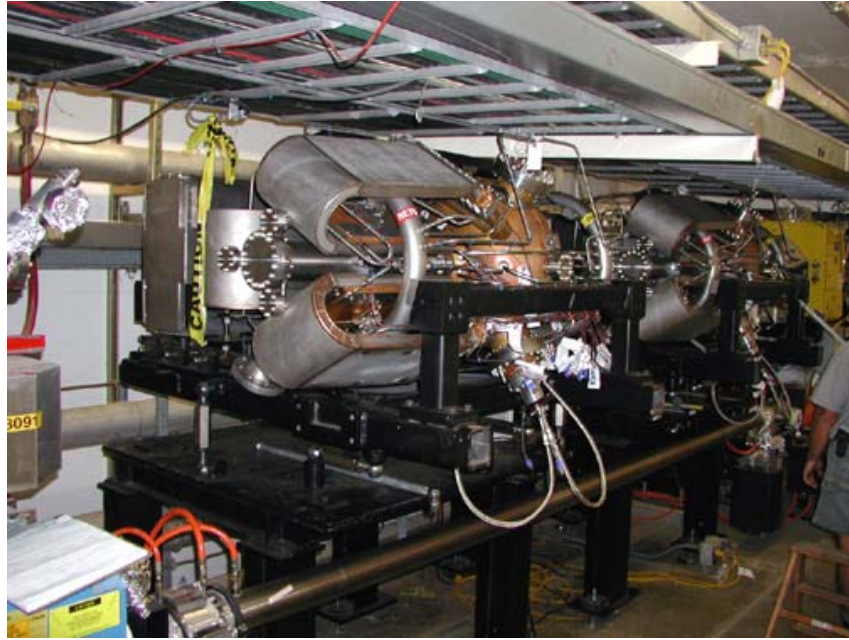
Miscellaneous

- Monday September 13
 - o SSRL Vacuum: BL4-2 vertical slits
 - o SPEAR3: BL6-2 vertical slits
 - The brass plugs in the hutch were found to be of different dates.



- PEP-II R4: set the 2 new RF cavities
The cavities were set through optical tooling set-ups based on the flanges of the neighboring quads.





- Tuesday September 14
 - SPEAR3: BL6-2 vertical slits
 - Remark the plug line
 - Align the vertical slits
 - SPEAR3: BL5 ID repeatability test



- SPEAR3: as-built of 9S in preparation for the installation of a new undulator for a new beamline (BL12) in Summer of 2006
- SDR: set the 2 quadrupoles (QD1295 and QF1315) after plate installation for correct moves



- Wednesday September 15
 - SSRL Vacuum: fiducialization of BL4-2 vertical slits
- Thursday September 16
 - SSRL Vacuum: fiducialization of BL4-2 vertical slits
- Friday September 17
 - SPEAR3: BL6-2 re-check components (mirror, slit, BPM and tempered mask) after vacuum.