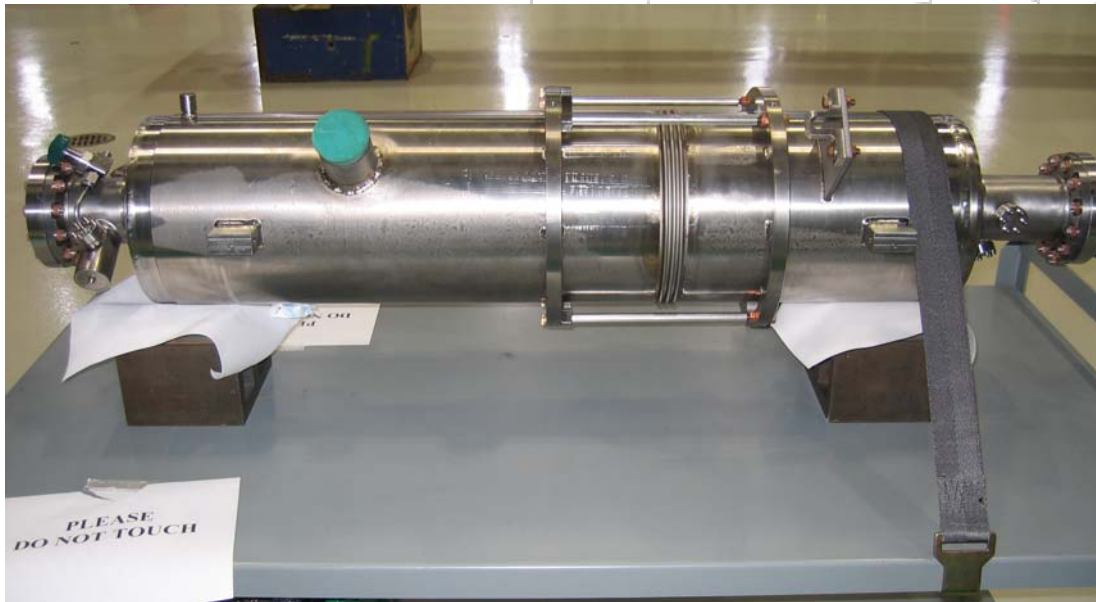


AES-1 Cavity Dressing

C. Grimm, T. Arkan, M. Foley, T. Khabiboulline

What has been done so far.

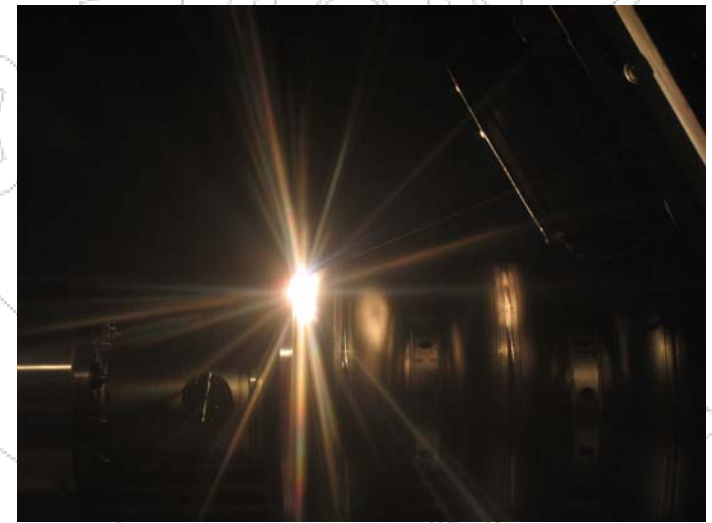
What are the future plans.



AES-1 Cavity Dressing

What has been done so far.

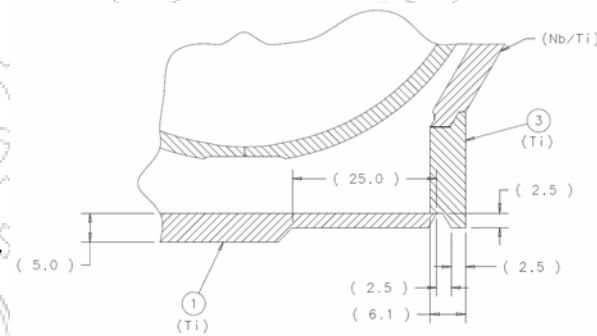
- Ti transition rings were electron beam welded at Sciaky.



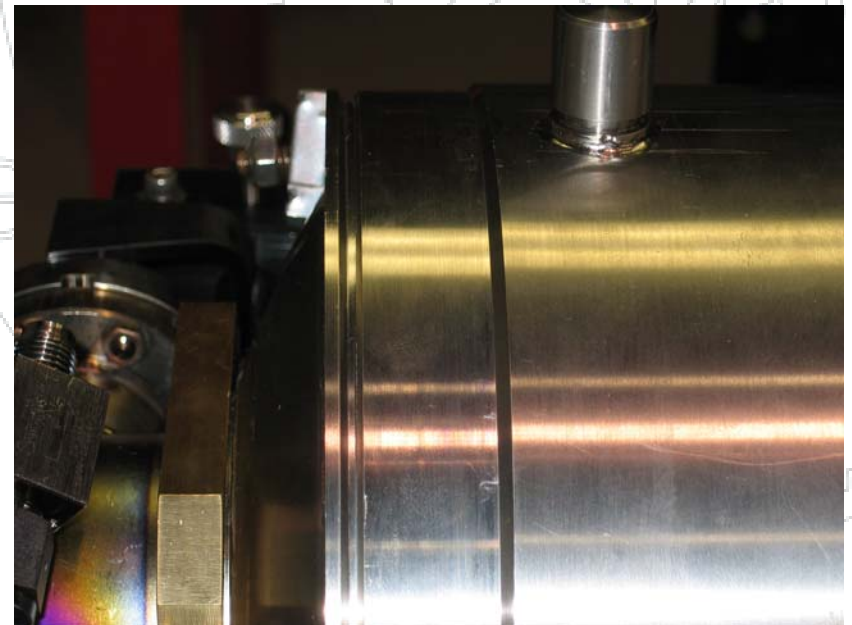
AES-1 Cavity Dressing

What has been done so far.

- Helium vessel was installed over the cavity, coded root weld gaps were set and open air tacks were performed to secure those gaps.



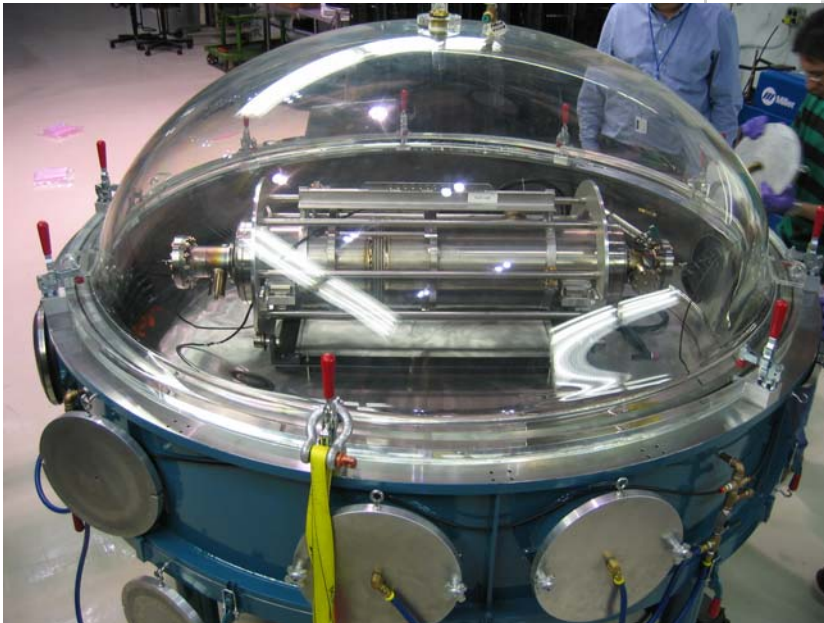
INPUT COUPLER END AS CONSTRUCTED



AES-1 Cavity Dressing

What has been done so far.

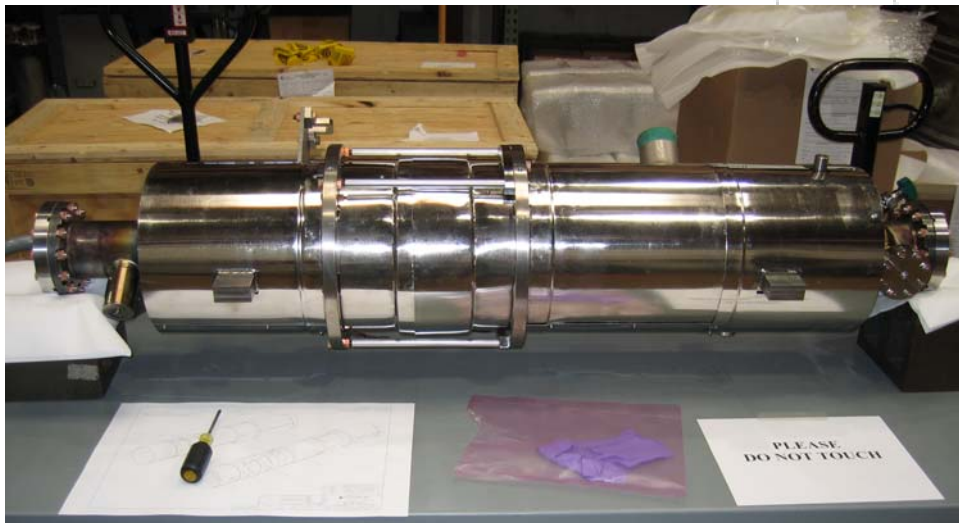
- Helium vessel was TIG welded in the CAF/MP9 glove box.



AES-1 Cavity Dressing

What has been done so far.

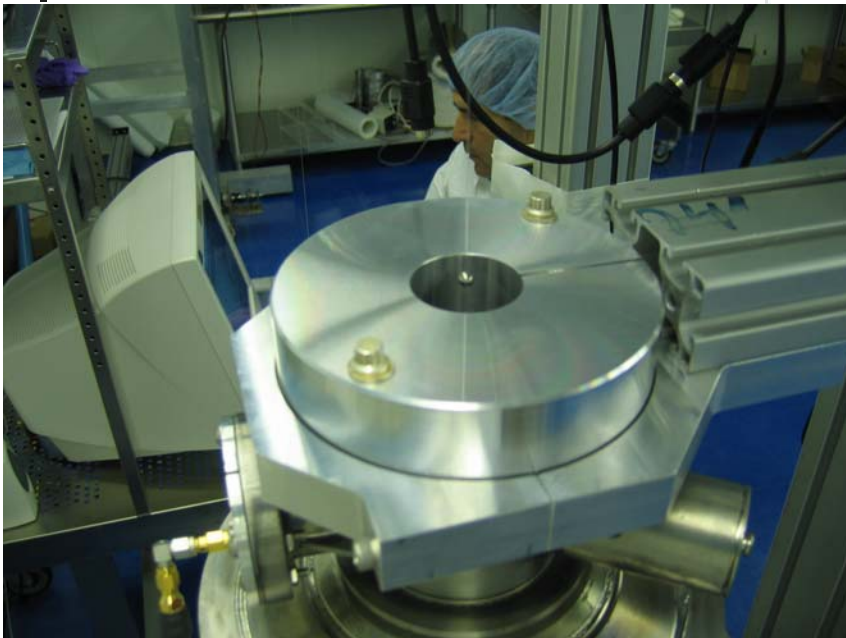
- Cryoperm-10 magnetic shielding was test fit to the vessel at IB4.



AES-1 Cavity Dressing

What has been done so far.

- Bead pull measurements and vacuum leak check of the helium vessel was completed in the IB4 clean room.



AES-1 Cavity Dressing

What are the future plans?

Week of June 1st.

- Test fit the HPR cavity cage, make cage modifications (if required), and schedule HPR at ANL.

Week of June 8th.

- HPR at ANL, clean room assembly work at ANL. Cavity returns to CAF/MP9 clean room for coupler installation.

Week of June 15th.

- HOM coupler tuning; magnetic shield assembly; tuner/piezo/motor assembly.

Cavity should be ready for HTS installation no later than the end of June. Engineering note is being prepared, a pressure test needs to be done in the HTS cave prior to the horizontal test.