Assembly procedure for the new HV feedthrough

1. Teflon spacers to keep cable away from ground.

2. Flourinet seal.
3. Push cable through flexible vacuum hose.

4. Copper coupling piece.

Notes on HV cable end:
   a. Solder wire strands together so the set screw can act against them.
   b. Use Stycast 1266 epoxy to close entry into cable's wire strands.
   c. Build a glue dam using scotch tape.
   d. To remove bubbles, pump first for 10m min. and then centrifuge it for 5 min.
e. Bob Conley made the new connecting piece out of copper.
f. I had to drill a bigger hole so that strands can fit in.
g. The copper piece is screwed into the old LBL piece.

5. Check that Teflon rings slide smoothly (had to machine two to get it through this section).
6. Next segment attached.

7. LBL piece to connect the copper piece and ceramic feedthrough.

8. Connection to ceramic feedthrough.
9. Ceramic feedthrough connected to flanges.

10. Connection to TPC.

11. Important washer, which made the alignment possible.
12. TPC flexible connecting piece.