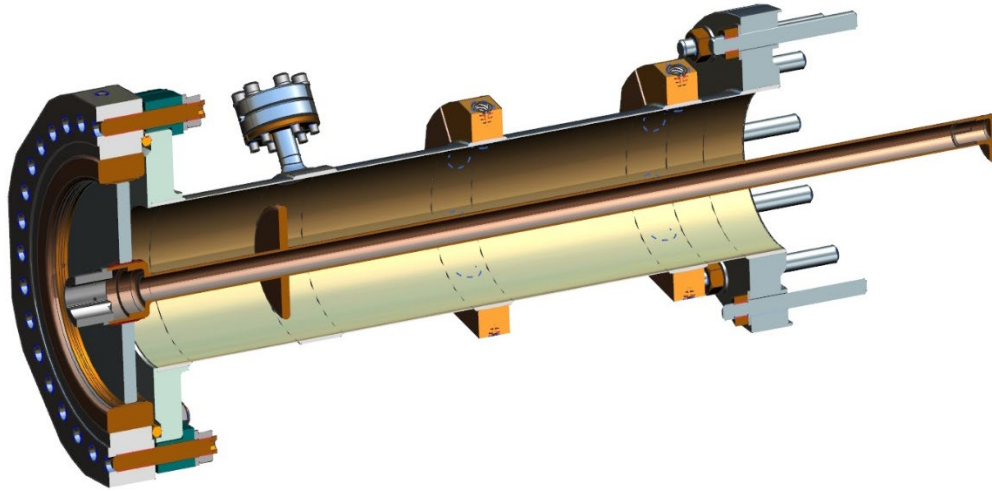




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Fermilab Performance Acceptance Test Report  
**650 MHz “Traditional” Coupler Vacuum End Cleanroom  
Particle Acceptance Test Report**  
ED0009929, Rev. -

Rev.	Date	Description	Originated By	Checked By	Approved By
-	27 Feb 19	Initial Release	<i>S. Kazakov</i>		



Picture 1: Configuration of “conventional” PIP-II main 650 MHz coupler, vacuum part.

### **Test assembling.**

Vacuum part of “conventional” 650 MHz coupler, Pic.1, was assembling in clean room. The goal of the test was to study how many particles are generated during assembling procedure and understand whether this configuration can be used for superconductive applications.

Procedure of the test is presented at Pictures 2 – 6.

Test result: Counted number of particles coming from assembly was zero.

Conclusions:

Configurations can be assembled ‘particle free’ and it can be used for superconductive applications.



Picture 2: Preparation of place for the test.



Pictures 3a and 3b: Cleaning of outer conductor with Nitrogen gun.



Picture 4: Cleaning of antenna with Nitrogen gun.



Picture 5: Assembling of outer conductor with antenna.



Picture 6: Counting of particles coming from assembly.