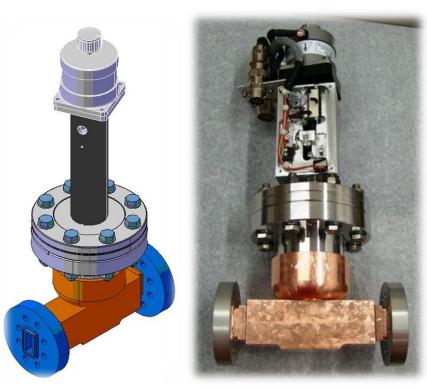
Fabrication and Installation of the prototype PETS On-Off for the TBTS

VARIABLE REFLECTOR CLIAPON_0028



MOVABLE RF SHORT CIRCUIT CLIAPON 0034





· Machining at:

- CERN main workshop
- Serge Berthet

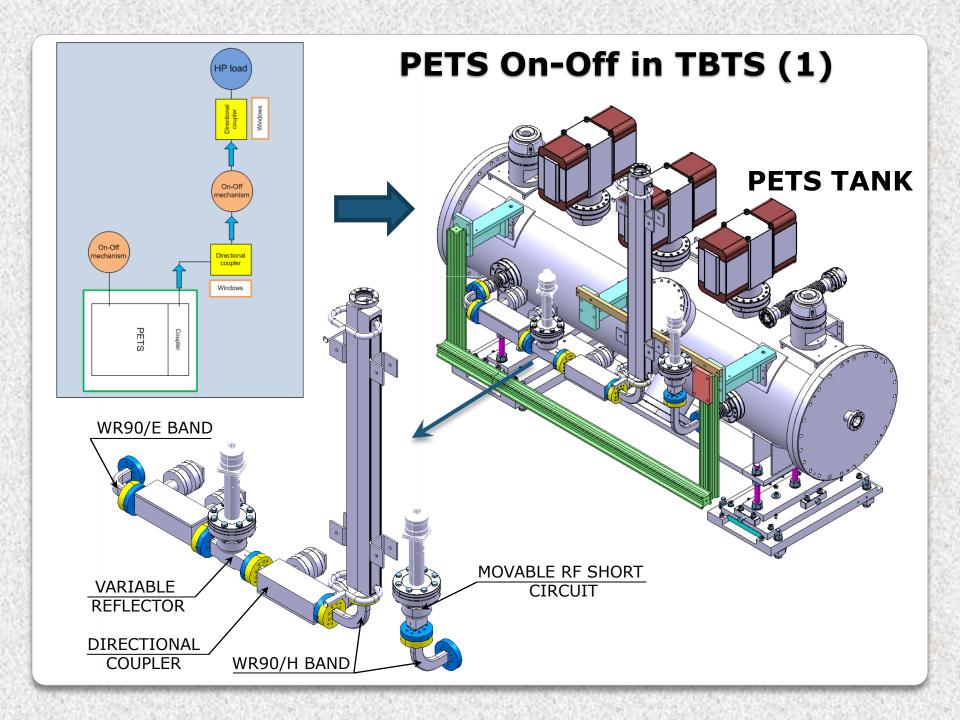
Tolerances relaxed to 20-40µm

Brazing at Bodycote

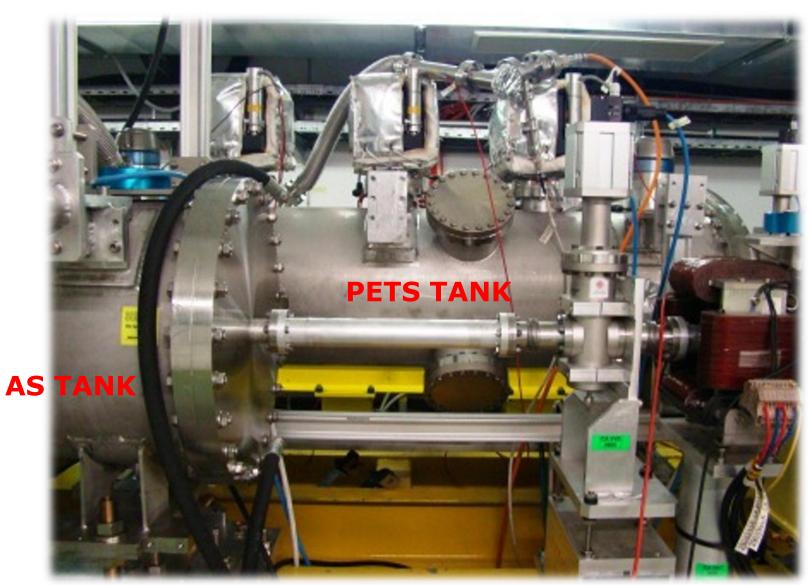
- Ag/Cu wire at ~ 1000 ℃

Tests performed:

- Leak tighten test 2.0×10^{-9} mbar×L/s
- RF test (EDMS document: #1159632)



Disassembly of the RF network

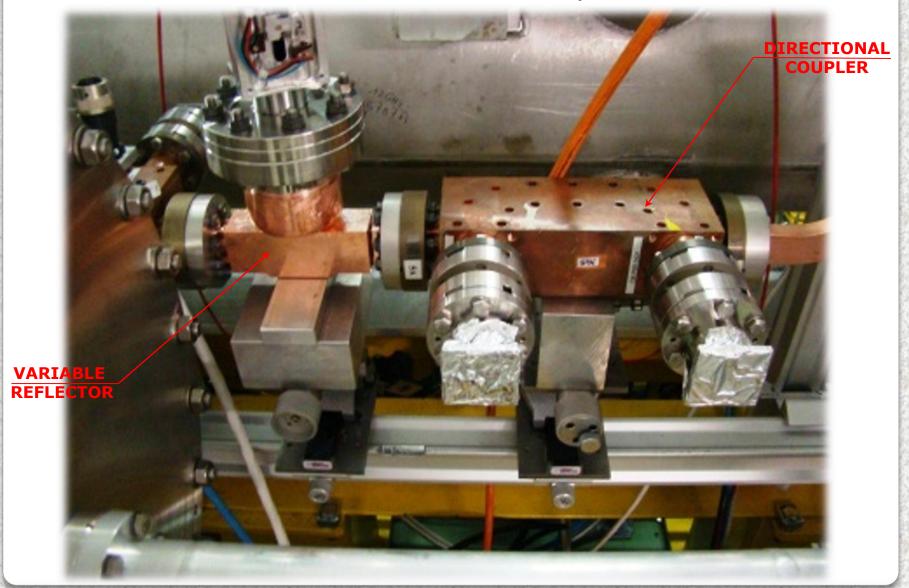


Installation of the WR90 waveguide and the 1st Directional Coupler



DIRECTIONAL COUPLER

Installation of the Variable Reflector and the 2nd Directional Coupler



Installation and Fixation of the X-band Load





Installation of the Movable RF Short Circuit

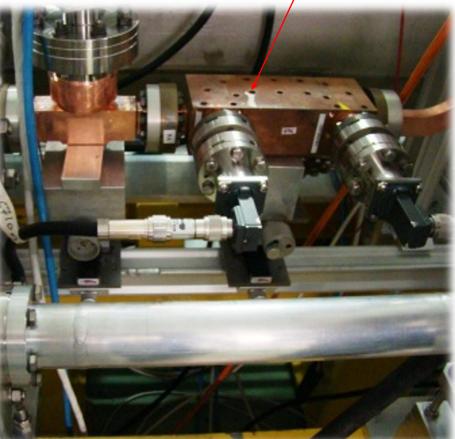


MOVABLE RF SHORT CIRCUIT

Directional couplers' cable connection

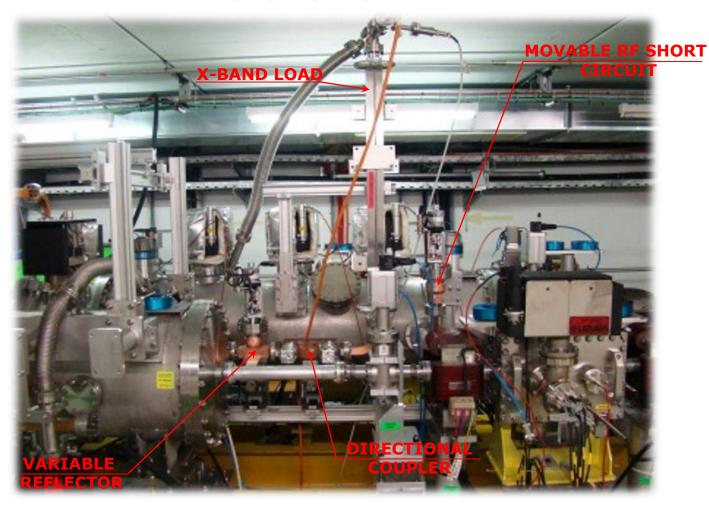
DIRECTIONAL COUPLER





DIRECTIONAL COUPLER

Installation overview



The variable reflector and the movable RF short circuit have been installed and are ready for testing with beam.

