

# 4Rod Crab Cavity in SM18



3 Flanges DN63  
NbTi (Cu Seals)

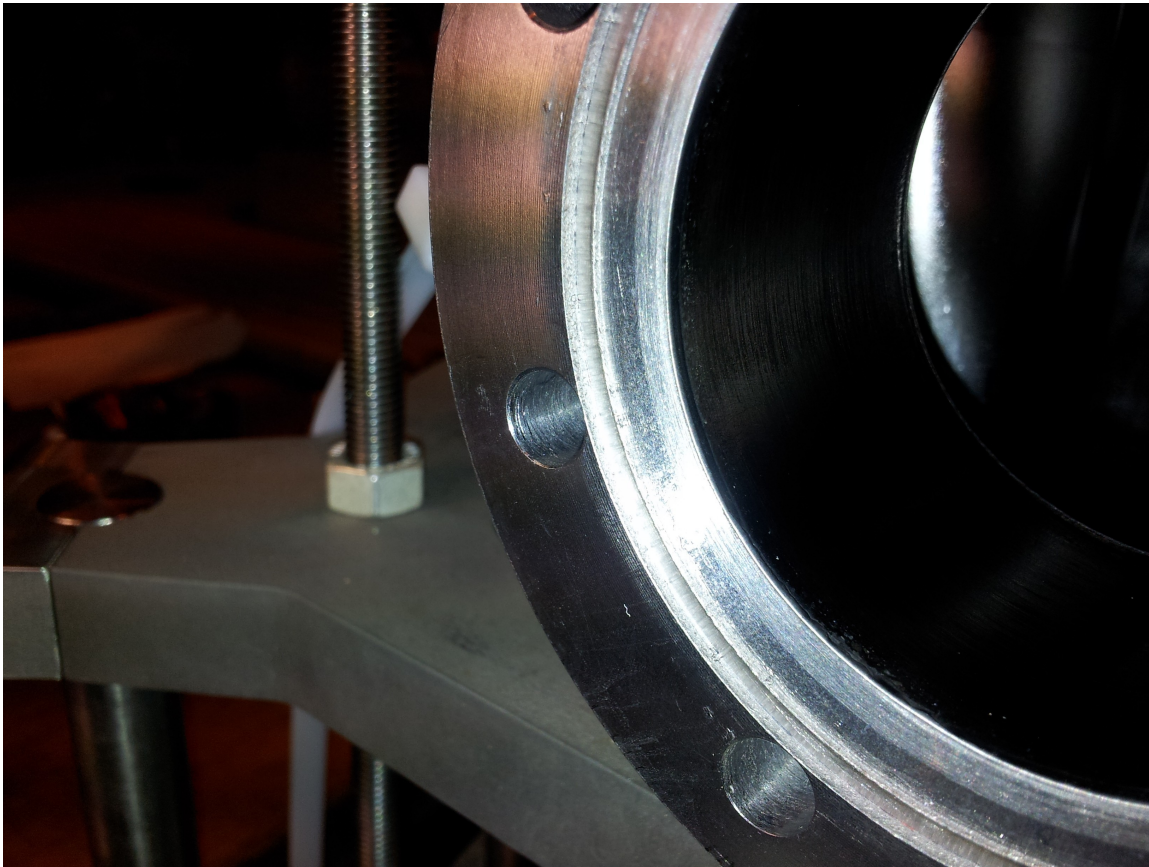
Leak from  
flange below



2 beam pipe  
flanges in SS

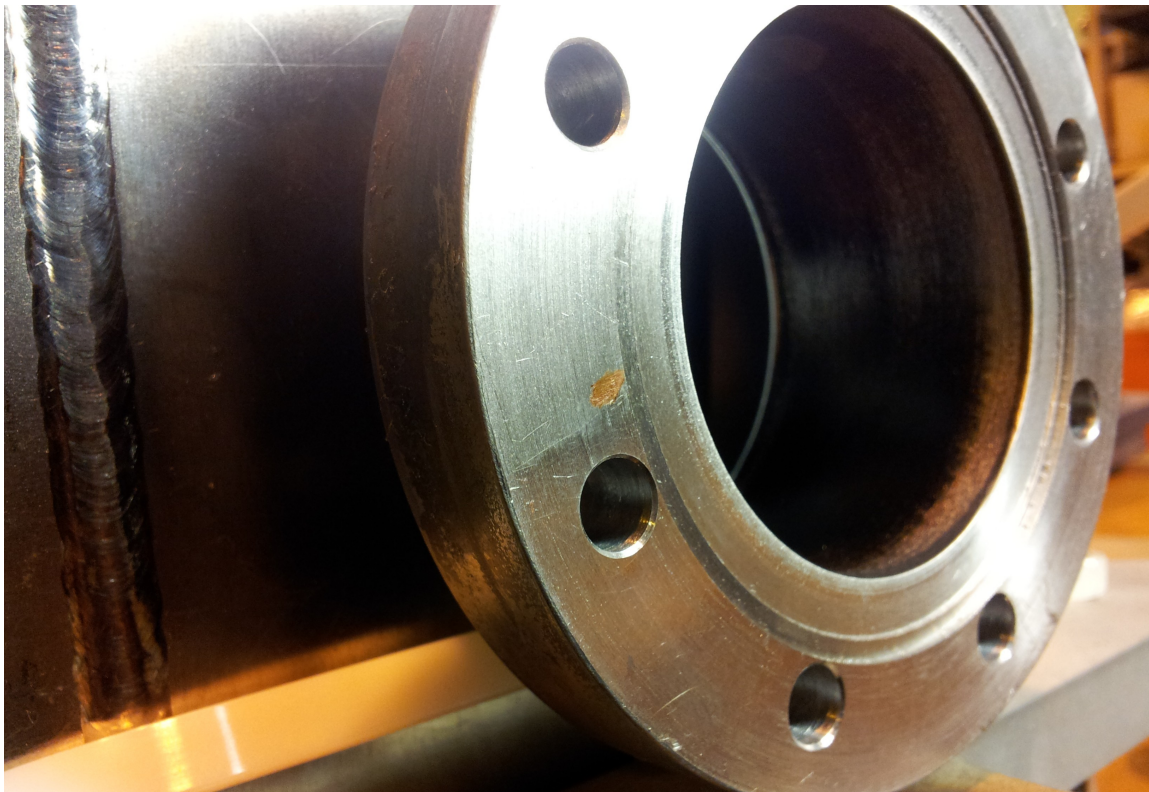


PickUp Coupler Flange (Little dent at  $\sim 270^\circ$ )



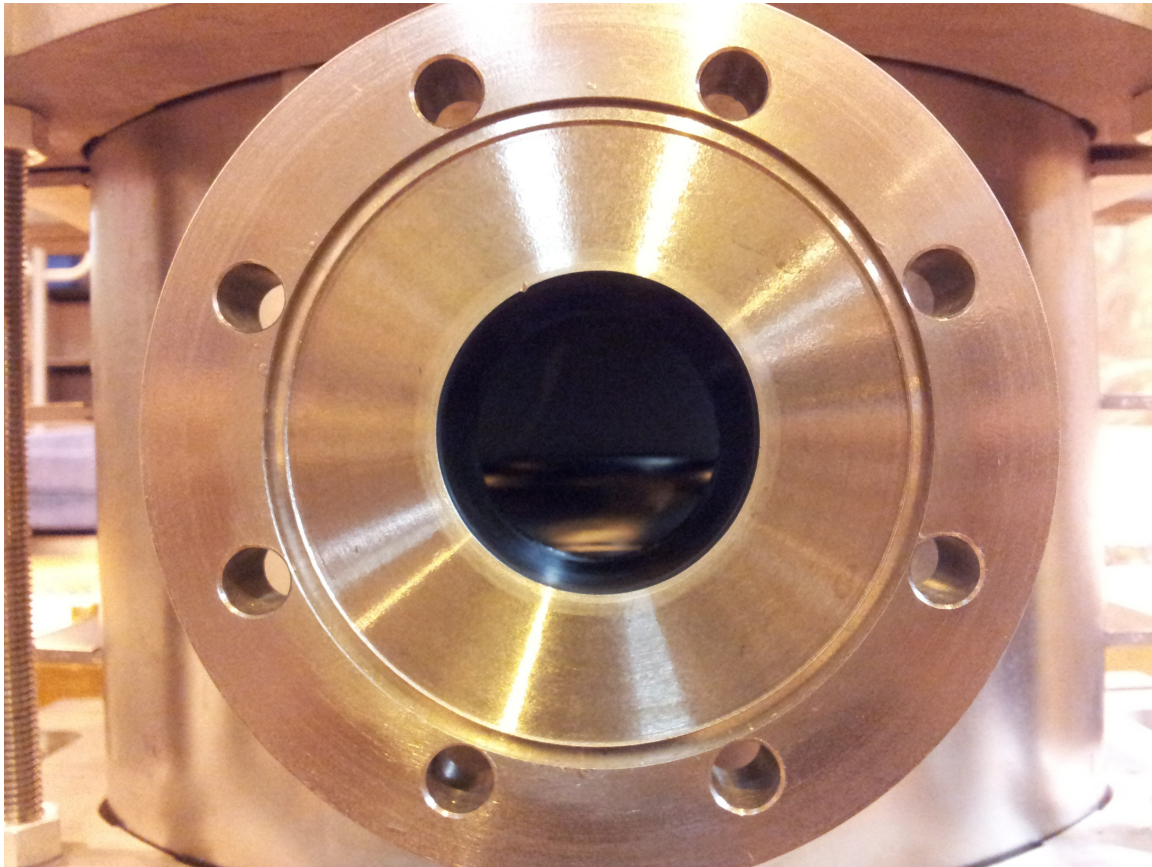


Blank Side with no Coupler  
(Leak identified with the brown trace with LN2)





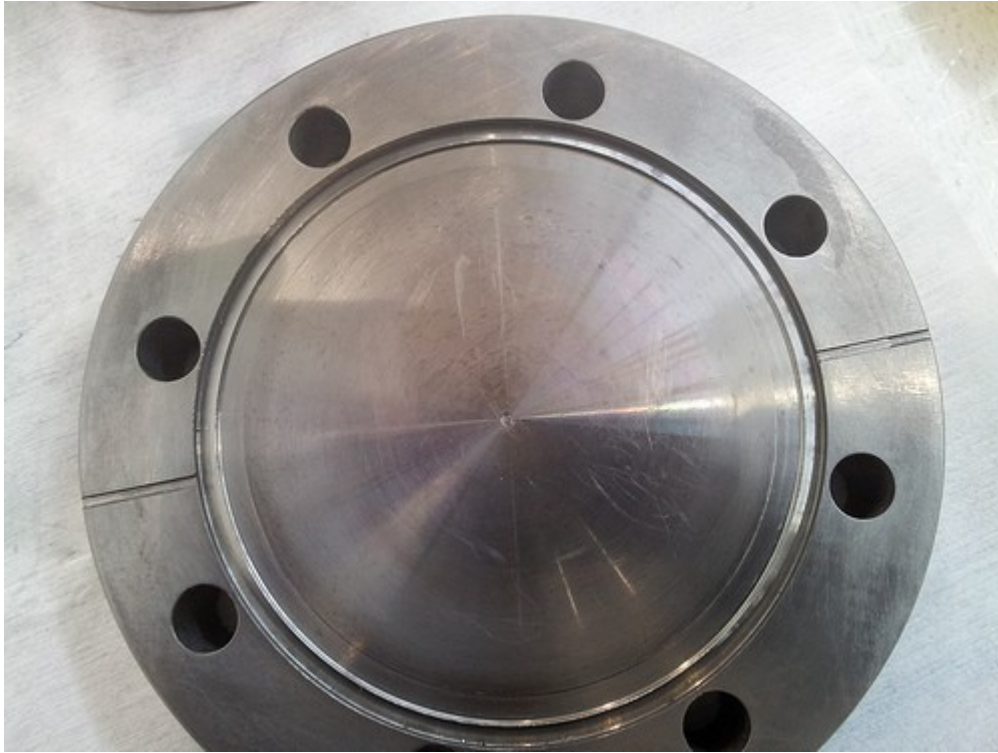
Power Coupler Flange (probably best of the 3)





March 28, 2013.

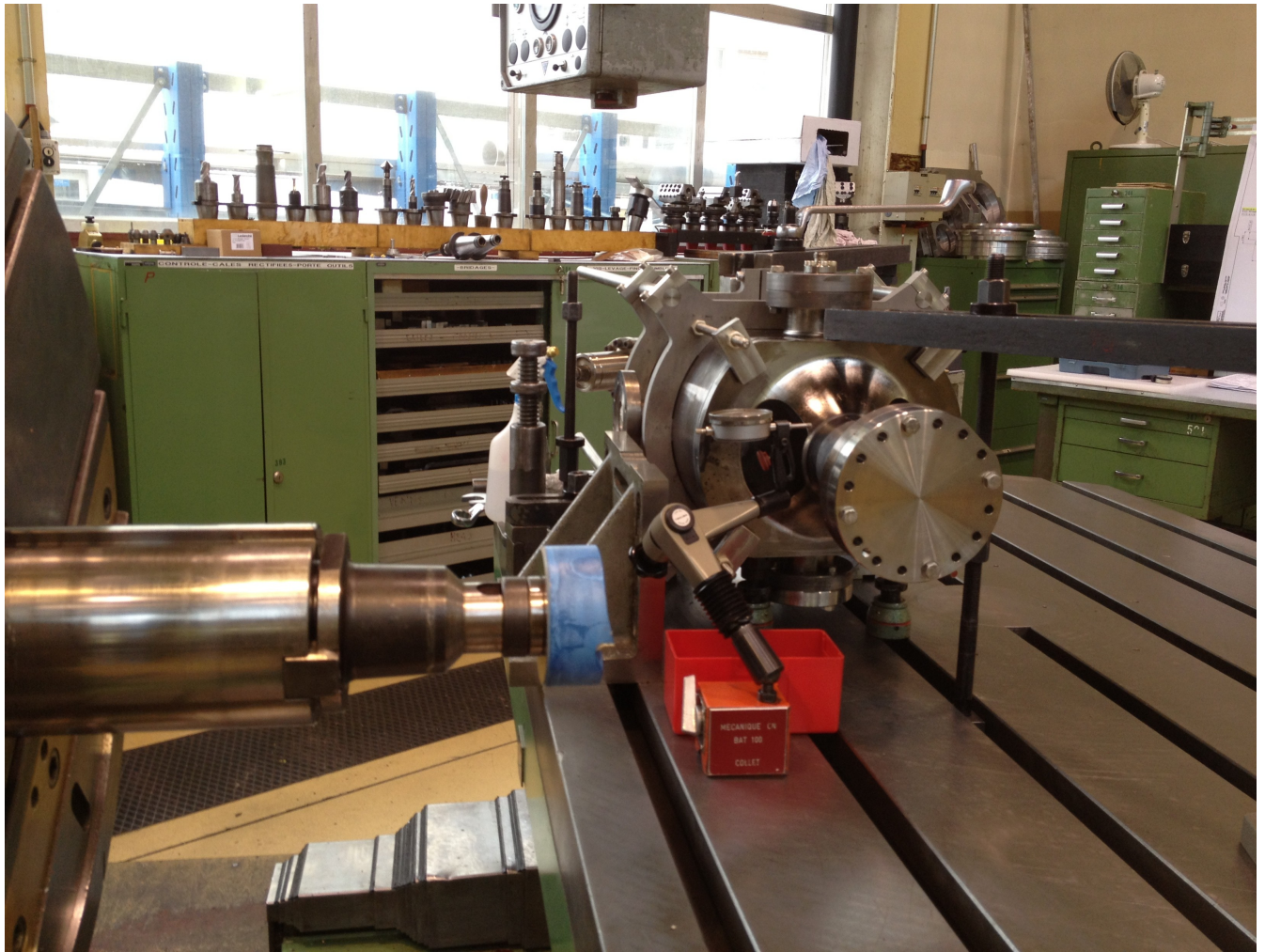
Repaired one of the External Blank Flanges where the leak was found. Leak tested in LN2  $1.7 \times 10^{-10}$  mbar.





Will repair the rest of the 5 flanges.  
The 4Rod cavity in the CERN machine shop.

Flanges are expected to be finished by mid-April and then to S. Calatroni et al. For final chemistry.



Cryogenic insert modification should be ready by now.