

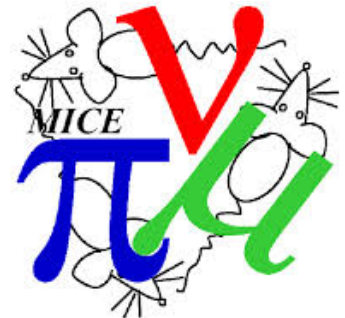


*The Story  
of the  
MICE Cavity @ MTA*

as told by  
Ralph Pasquinelli



*October 11, 2013*



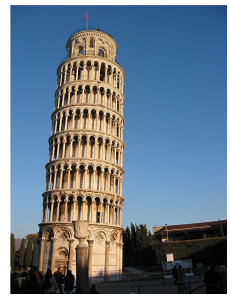


*Once Upon a  
Time  
the MICE  
cavity was in  
a box  
at Lab 6 for a  
long, long time!*

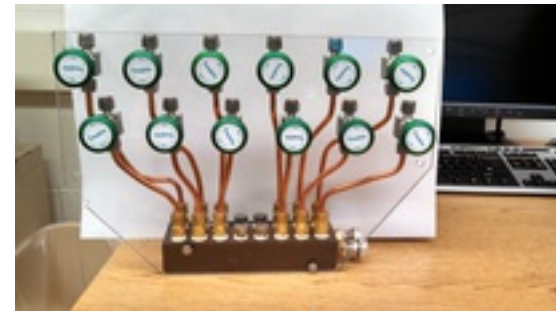




*In the spring of 2013, Luca was sent to us via PISA!*



*Pneumatic Actuators  
Manifolds  
Control Software*



*Dave via ADRF Department*

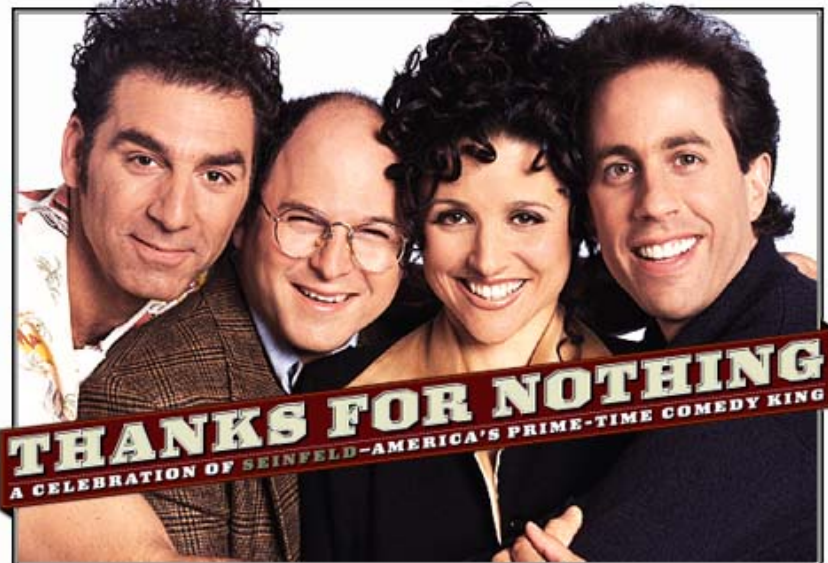


*april  
may  
june*



*Luca goes home for a month...*

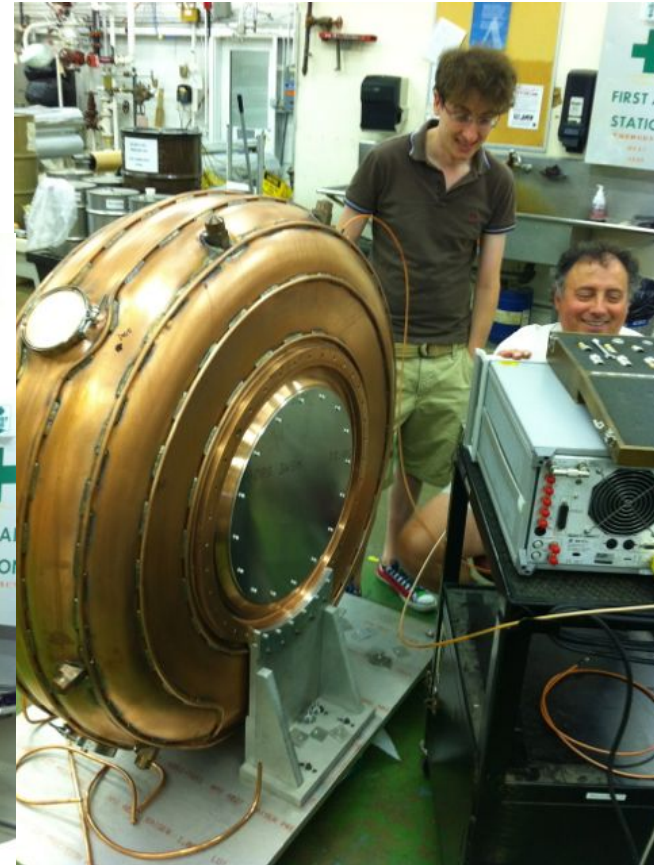
JULY



*Nothing Happened!*

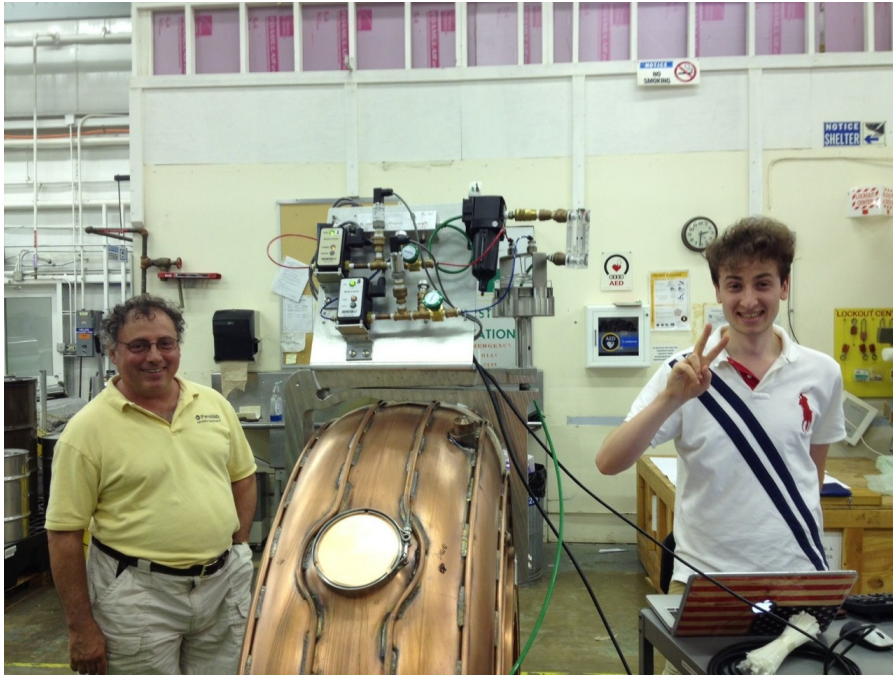


*Cavity out of the Box*  
*New Coupling loop*  
*Lab 6 measuring  $Q$*



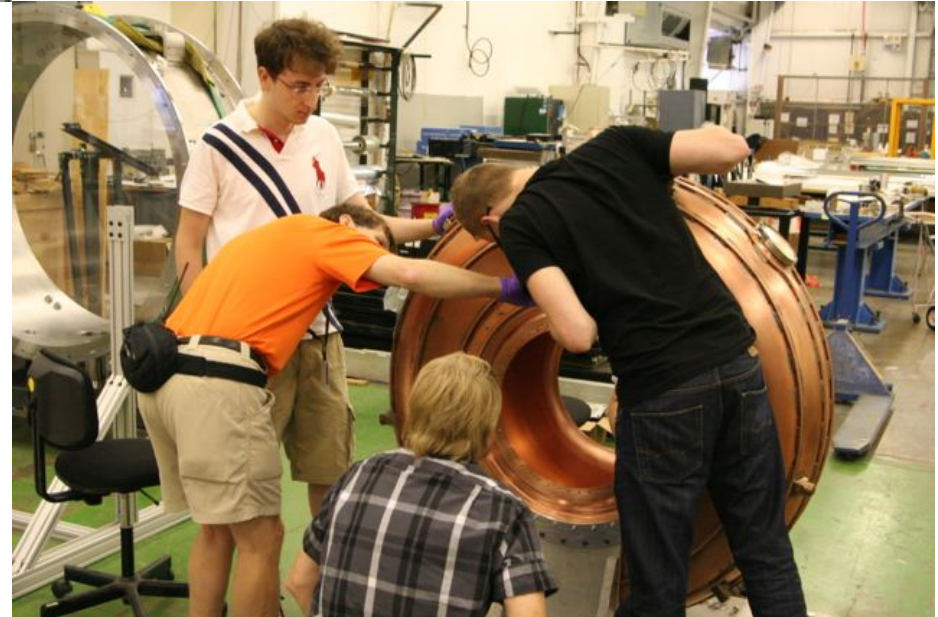
ALUGUST



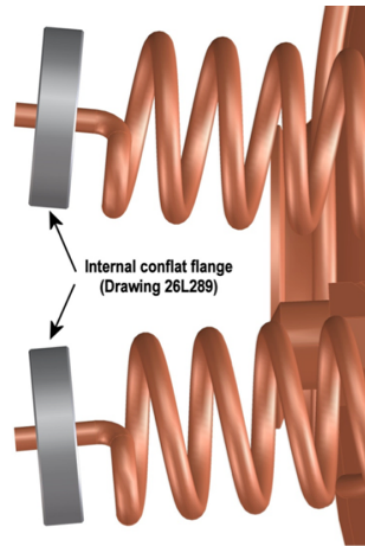


*With high expectations  
an  
initial kludge Tuner Test  
was performed.*

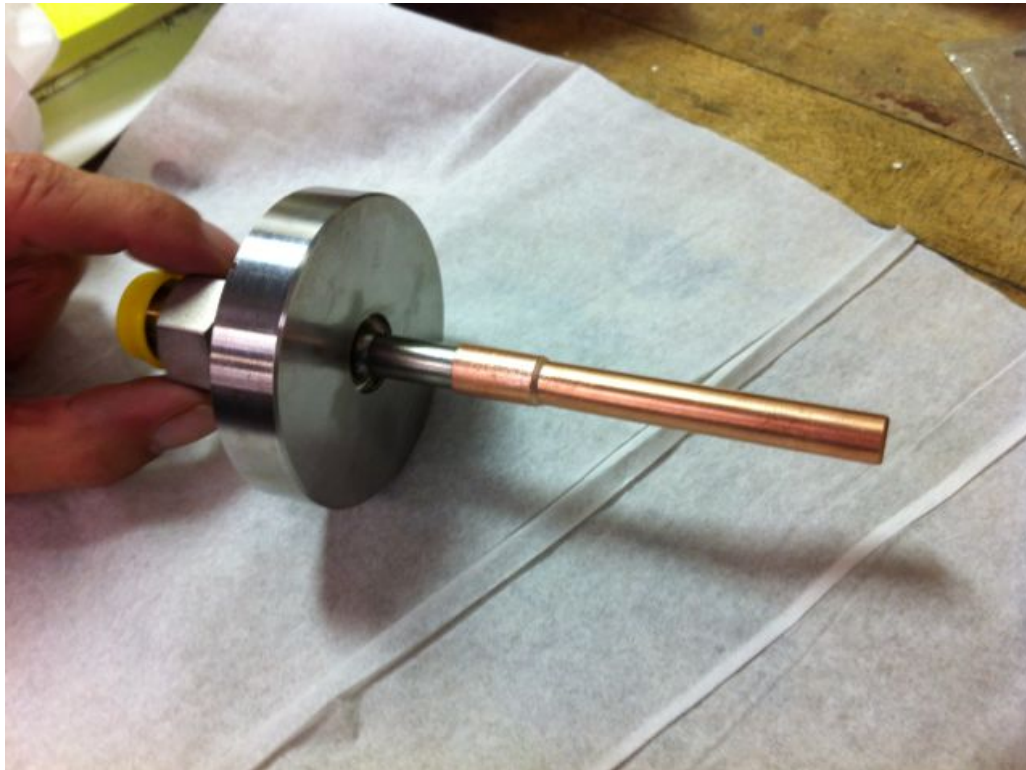
*The tuner worked!*



*This little piggy  
was sold  
at market.*



*Alternate  
water connections  
were chosen.*







*Tuning forks  
were "tuned"  
to fit,  
everything  
surveyed.*





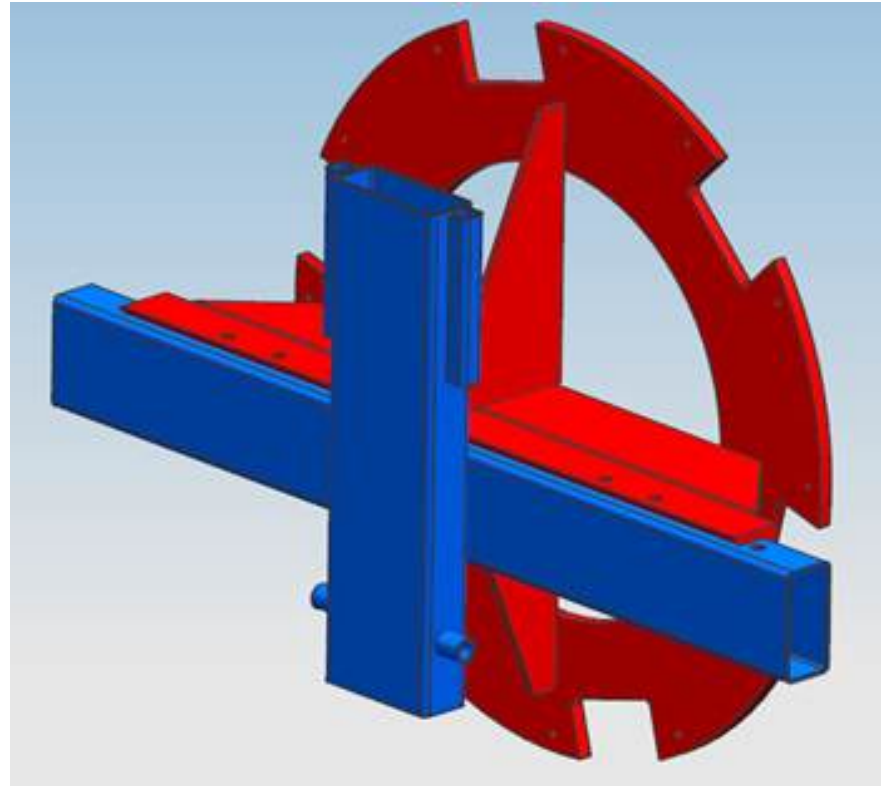


*The cavity  
plus 6 tuners  
was  
over the limit  
of our lift!*





*A new lift was procured,  
custom fixture designed  
and being fabricated.*

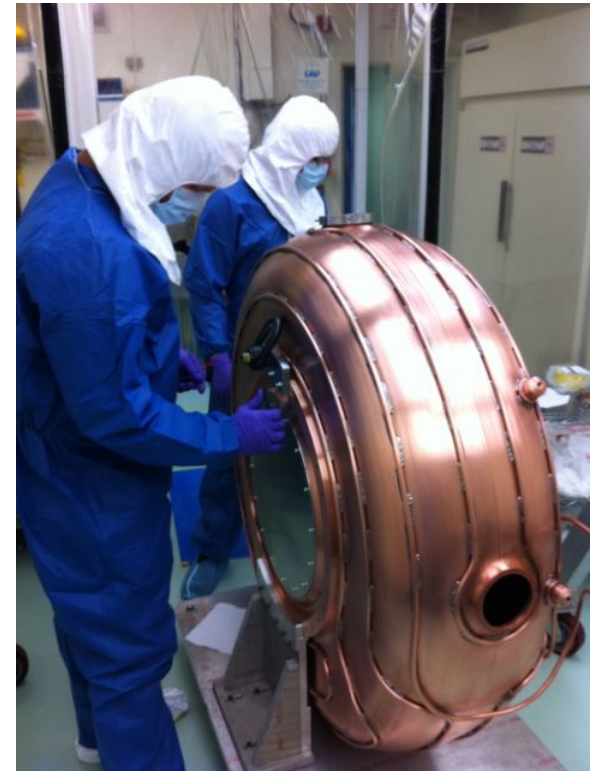
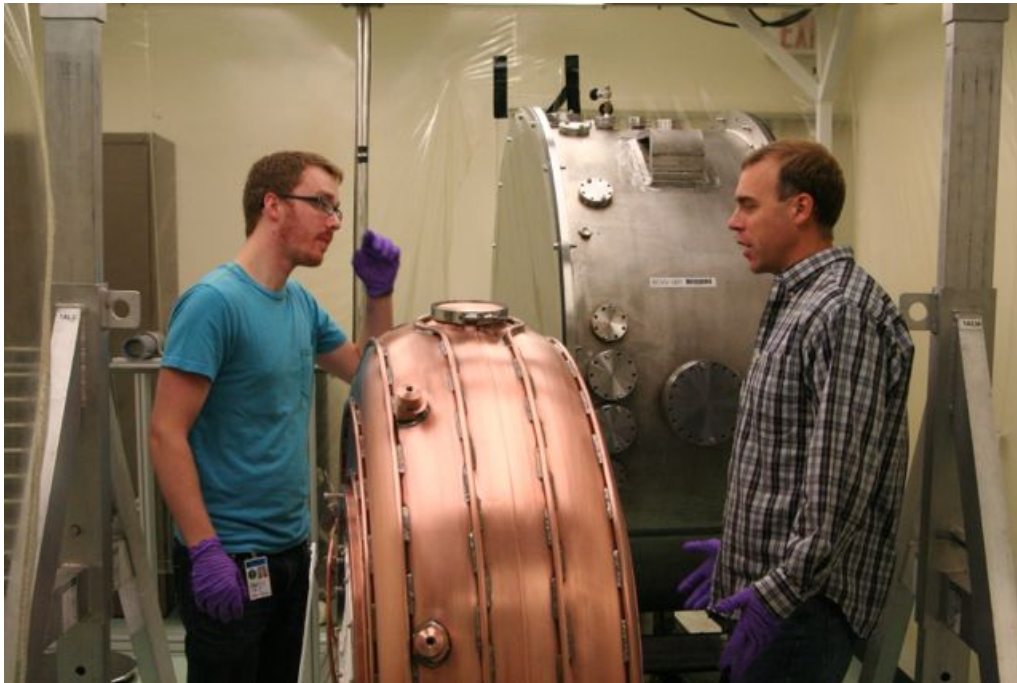




*Hi Ho, Hi Ho,  
off to the clean room  
we go!*

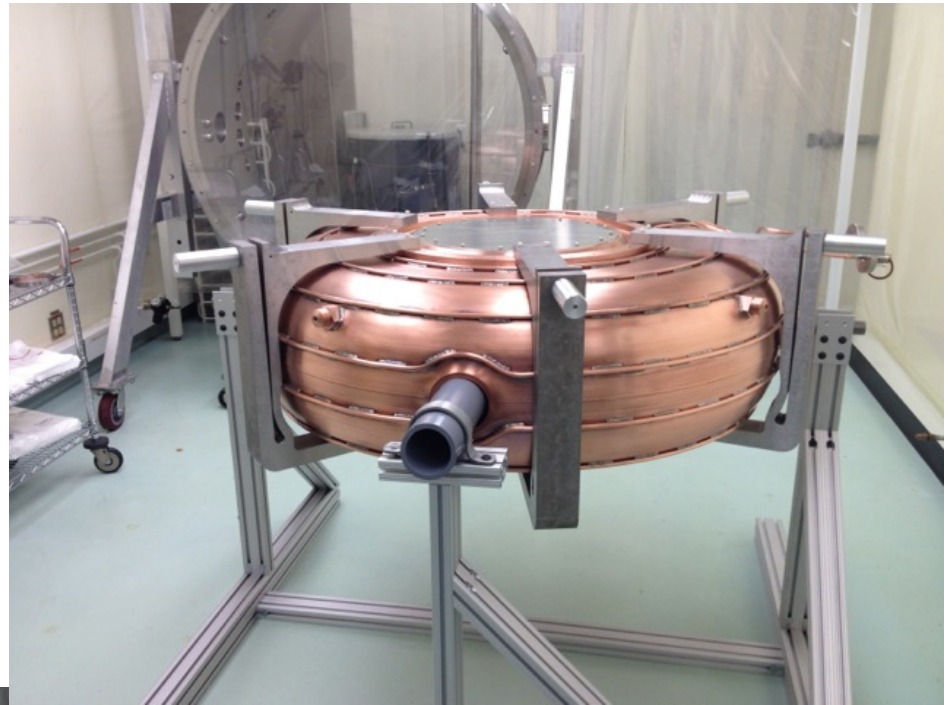


*Jared and Ryan making the move*

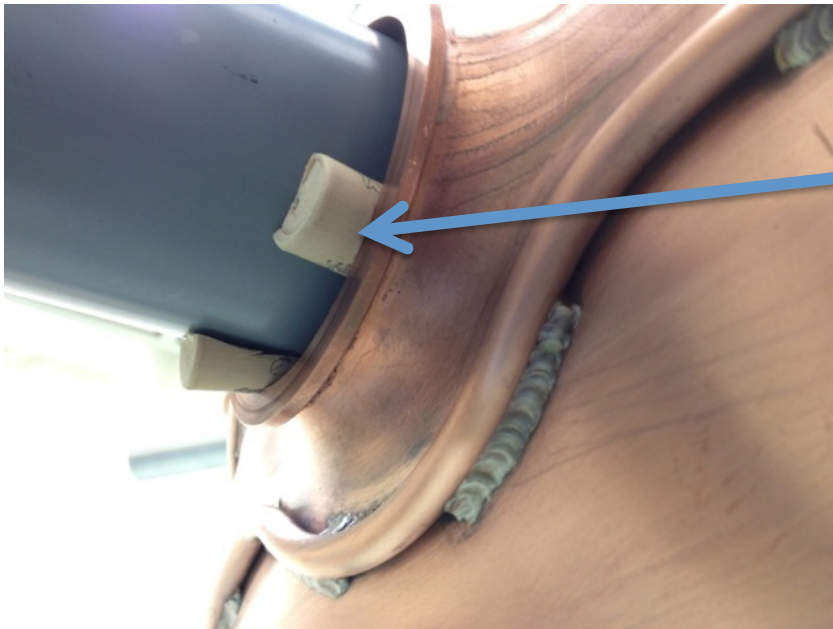




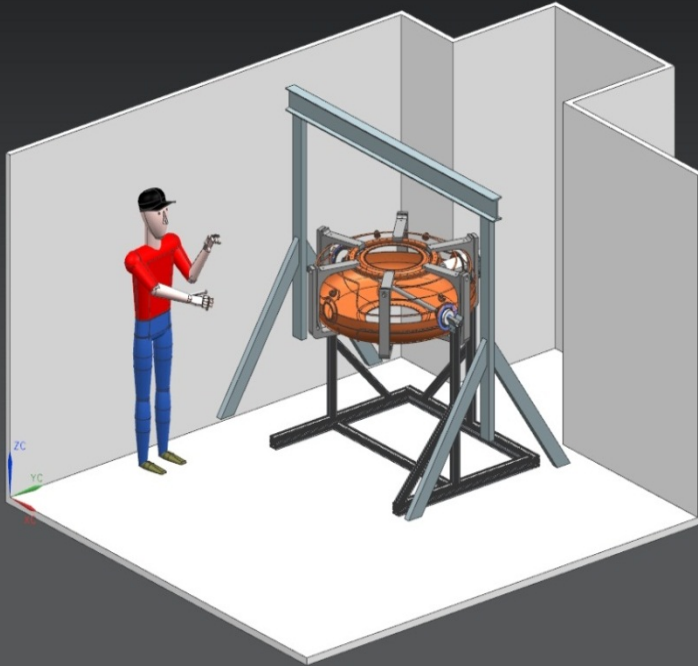
*Forks shimmed  
Alignment Cylinders  
Installed  
Survey says...  
good to plus minus 30 mils*



*Use #467 for Wine Corks  
Anti pivot shim*









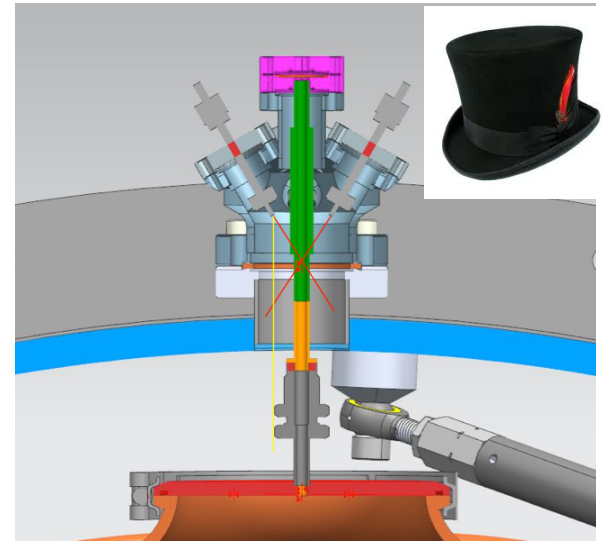


*NOT*





*Transport to MTA*  
*Instrumentation*  
*Vacuum Test*  
*RF connections*  
*Water Connections*  
*Etc. Etc. Etc.*





*stay tuned...*

