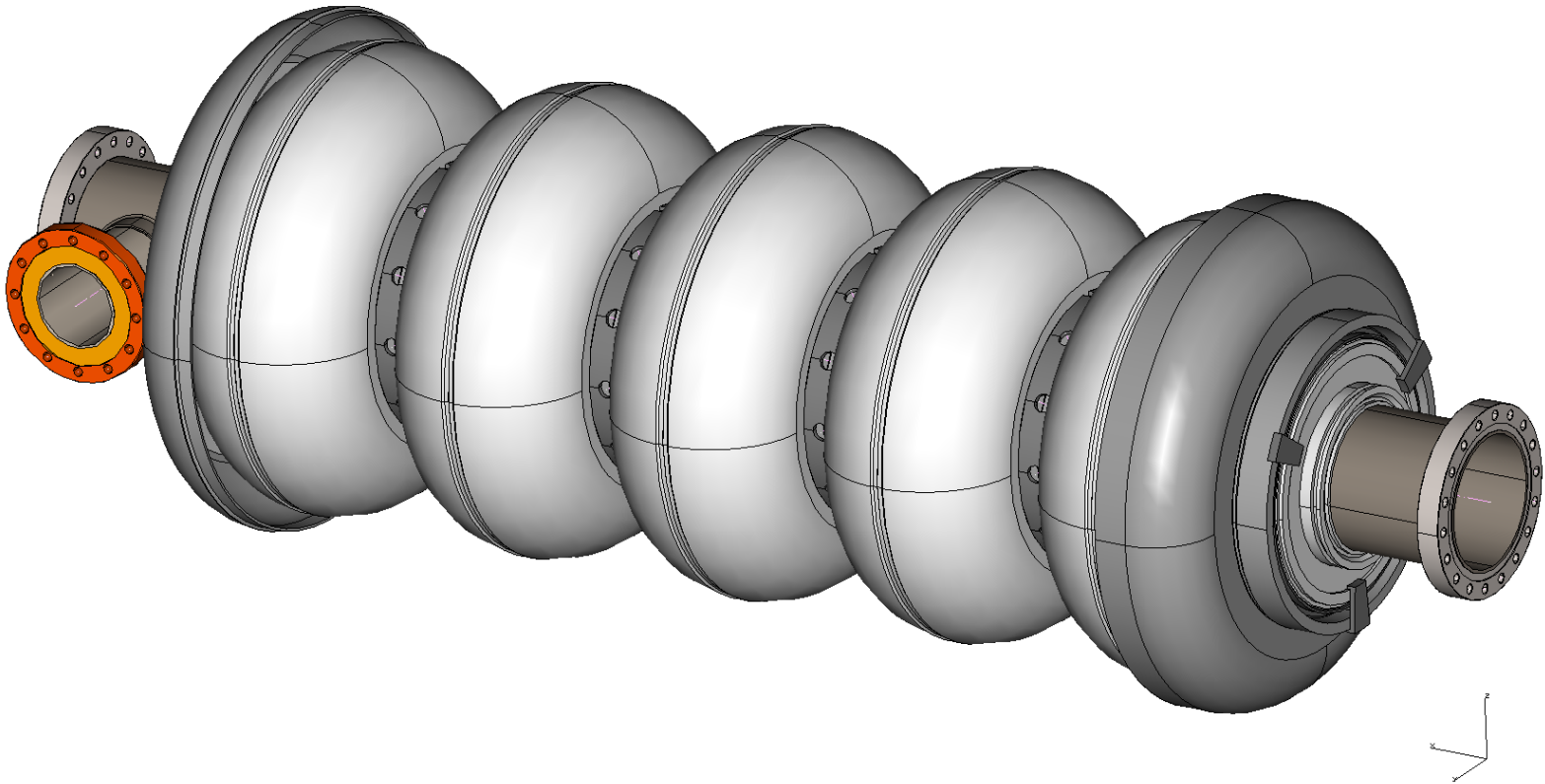


650 MHz Cavity Update

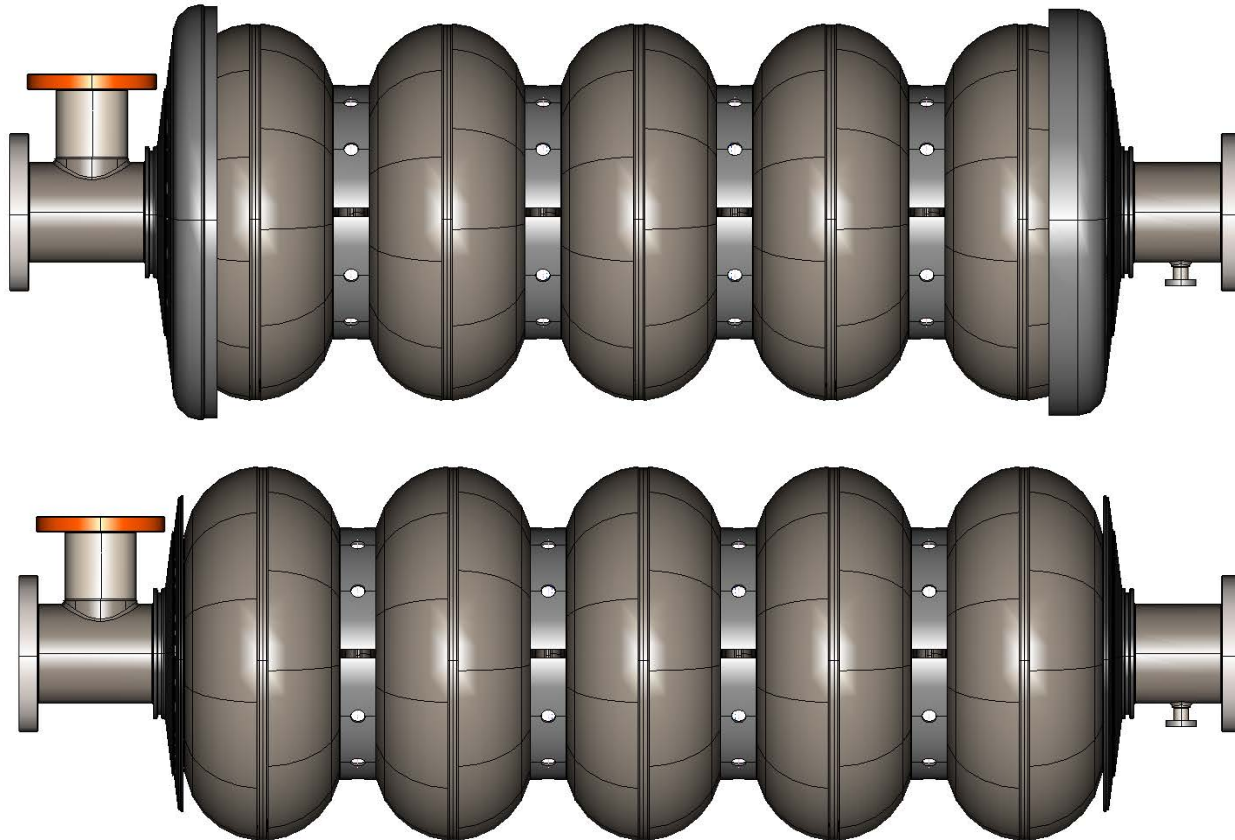


650 MHz Cavity Update



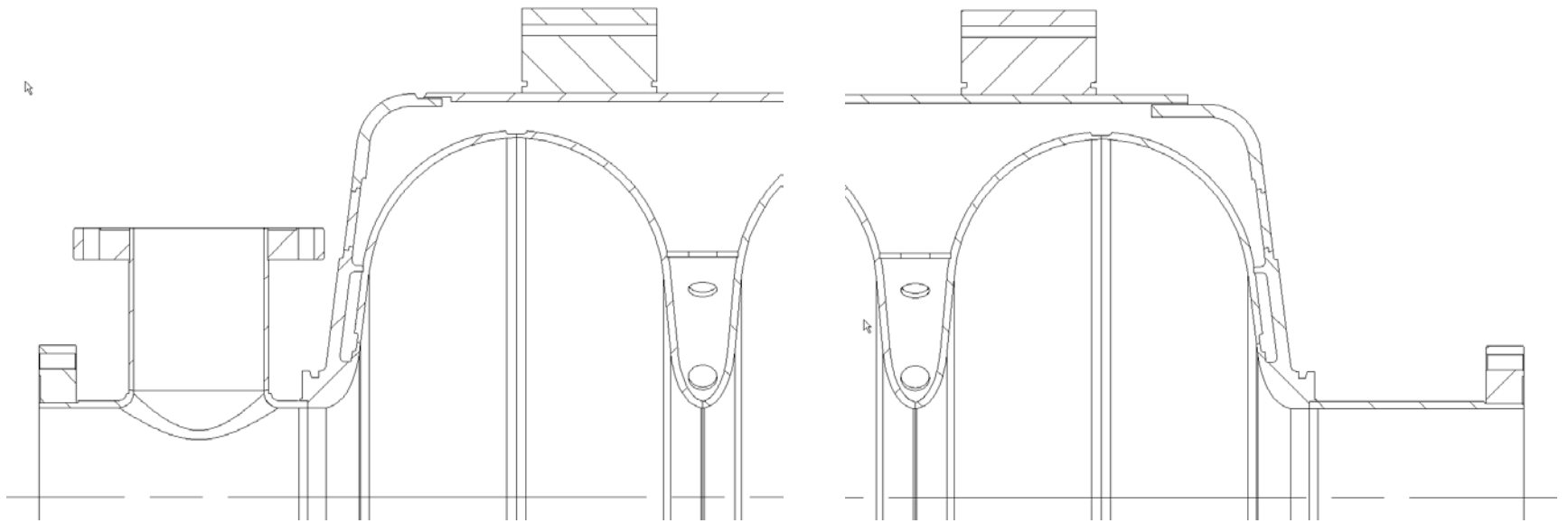
First two beta=0.9 cavities by AES

650 MHz Cavity Update



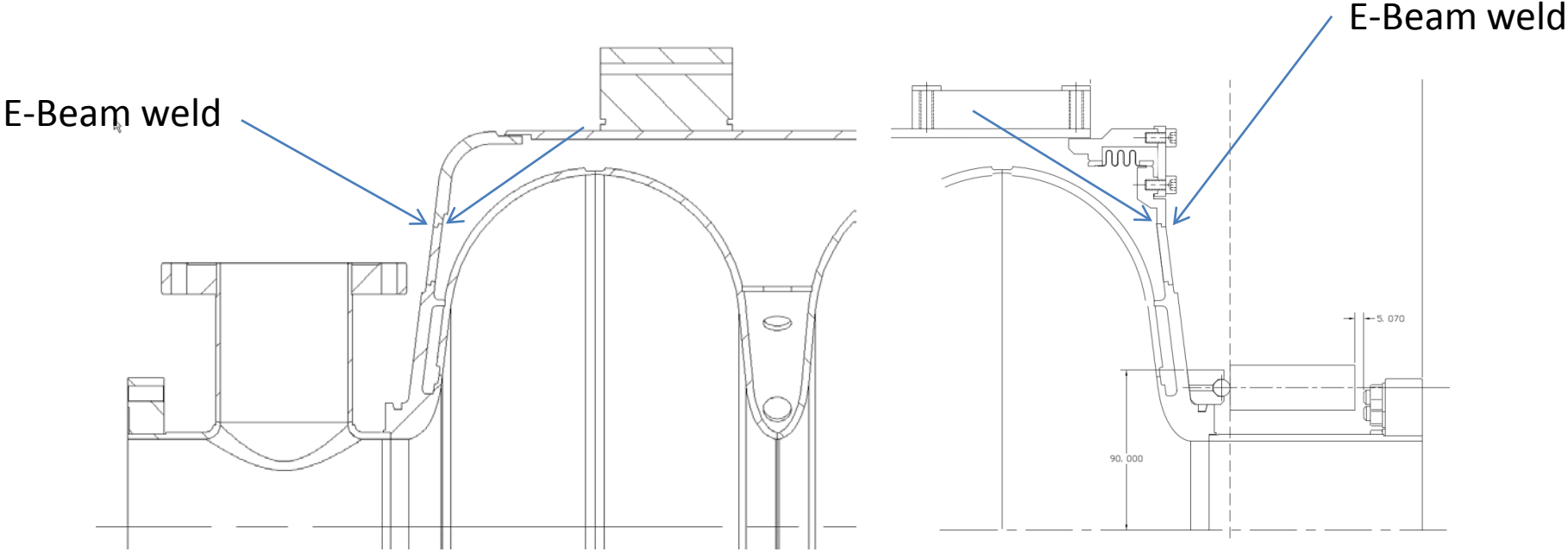
Cavity was ordered without titanium rings

650 MHz Cavity Update



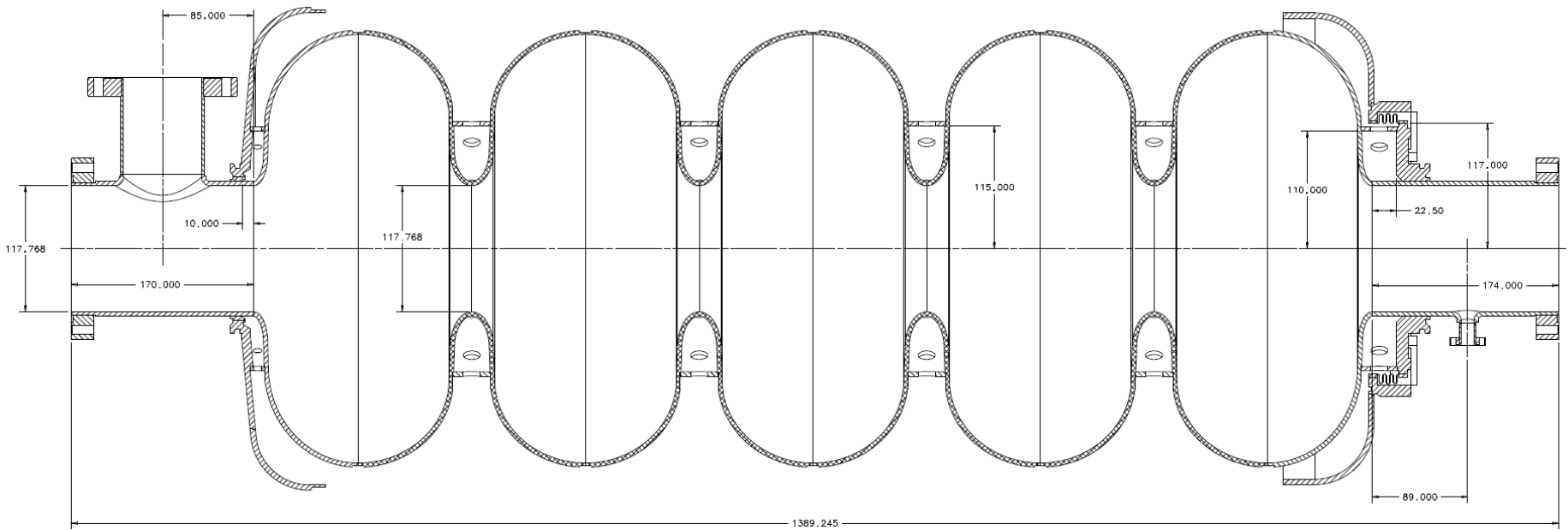
Dressing option with bladetuner

650 MHz Cavity Update



Dressing option reconfigured for
end lever tuner

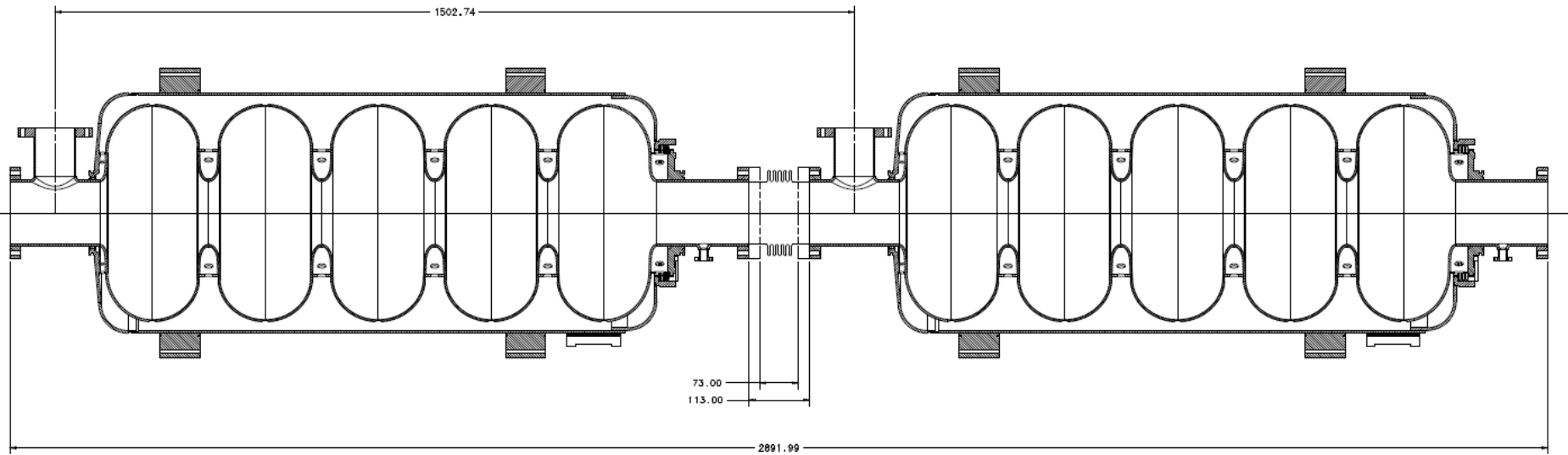
650 MHz Cavity Update



Latest beta=0.92 layout

Flange-to-flange length = 1389.25mm

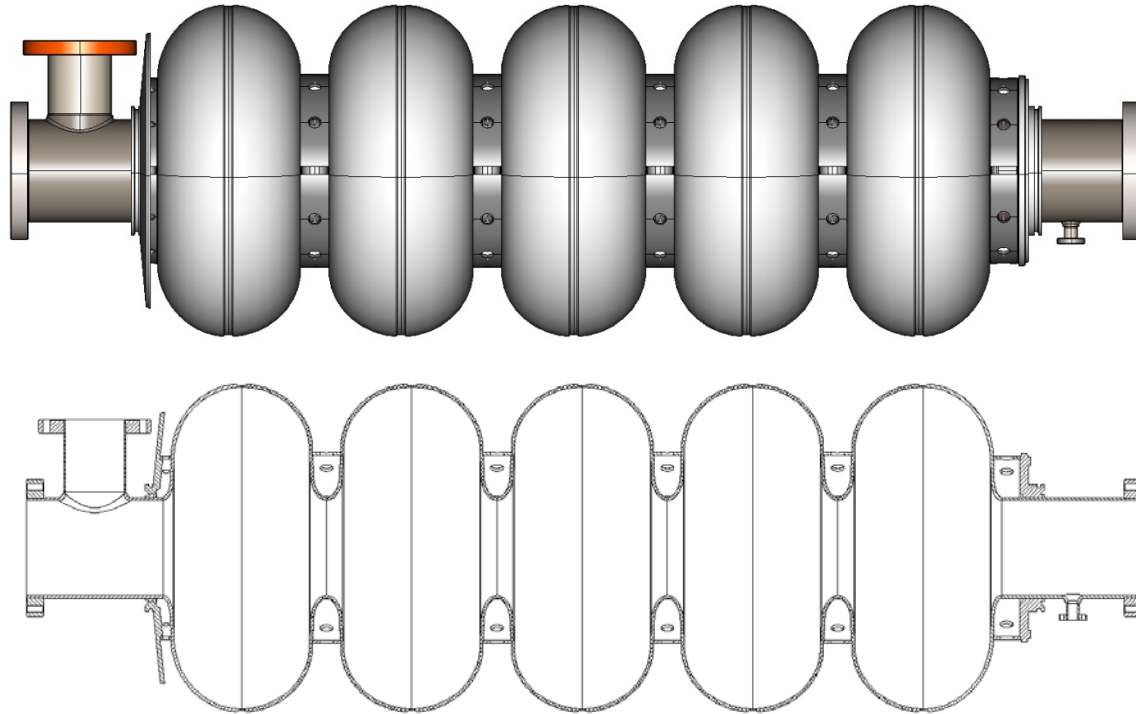
650 MHz Cavity Update



Latest beta=0.92 layout

Coupler-to-coupler distance = 1502.74mm

650 MHz Cavity Update

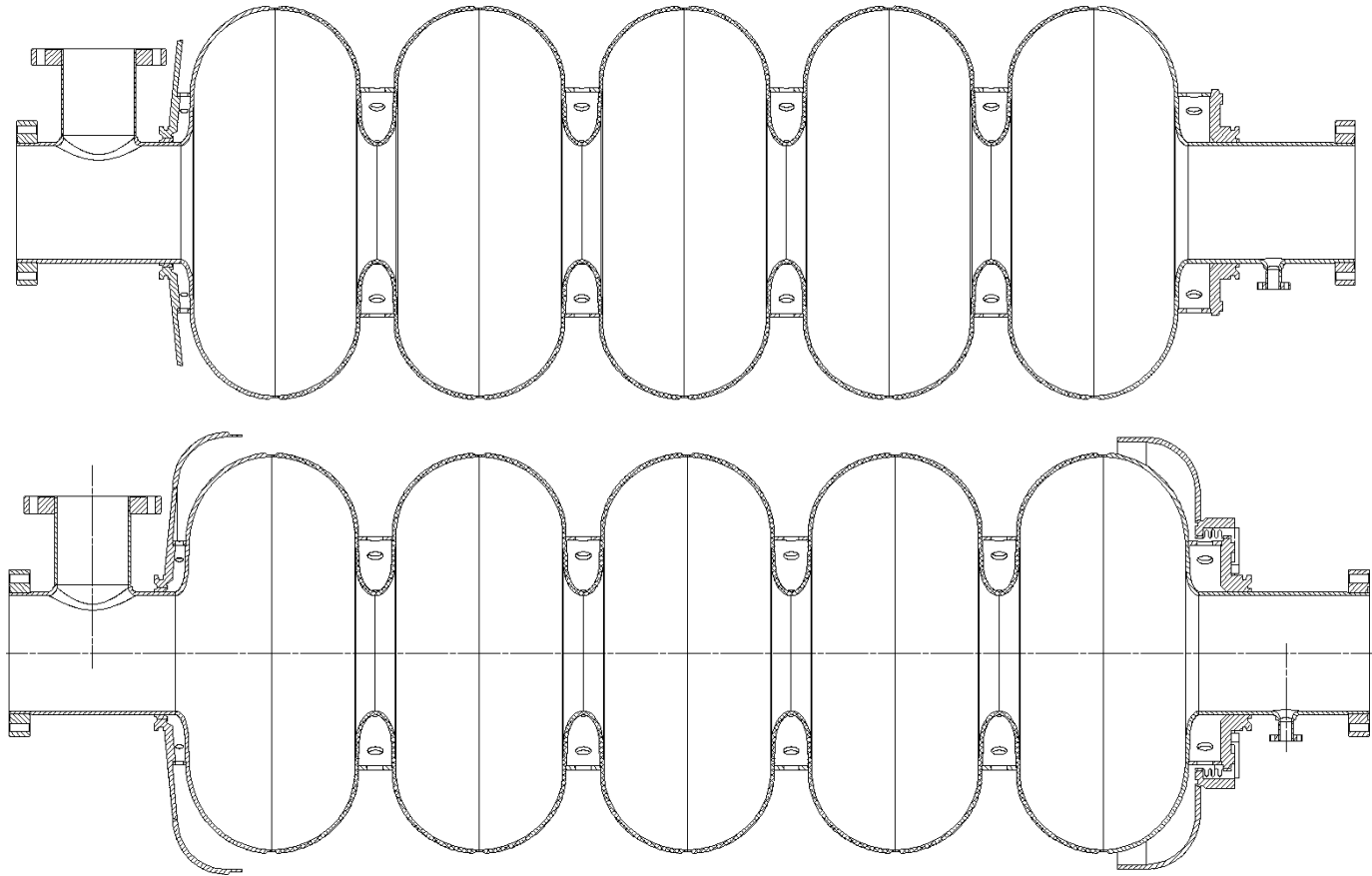


Estimated material and fabrication costs (Nb & Nb/Ti)

- Material: ~\$136,870
- Fabrication: ~\$65,000-\$75,000
- NRE: ~\$200,000

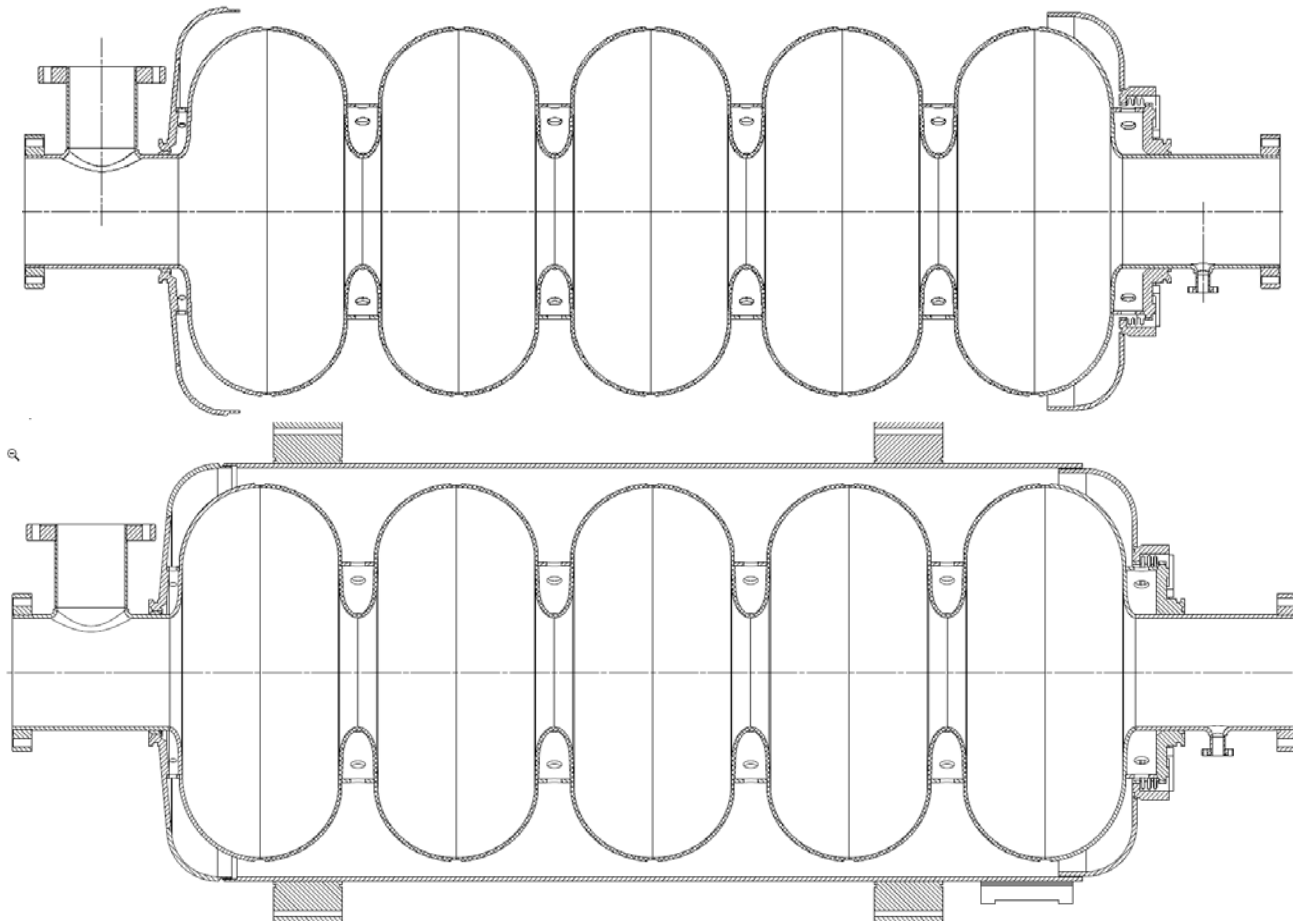
(Supplied by Mike Foley)

650 MHz Cavity Update



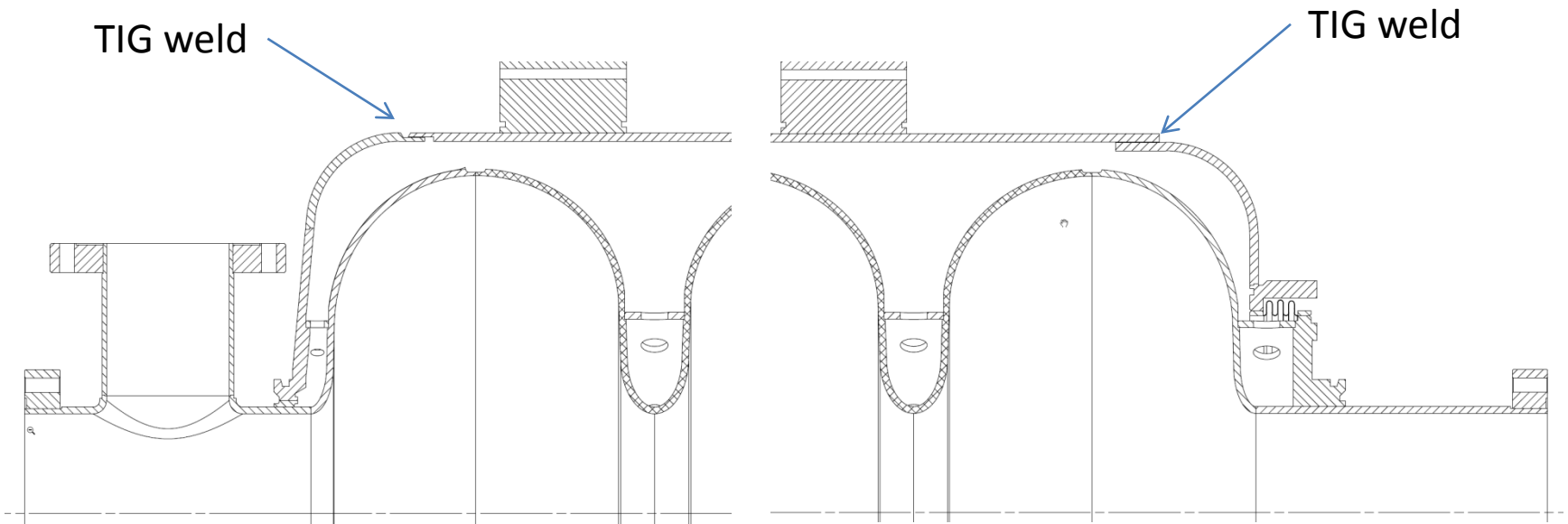
Additional titanium parts not included in estimate

650 MHz Cavity Update



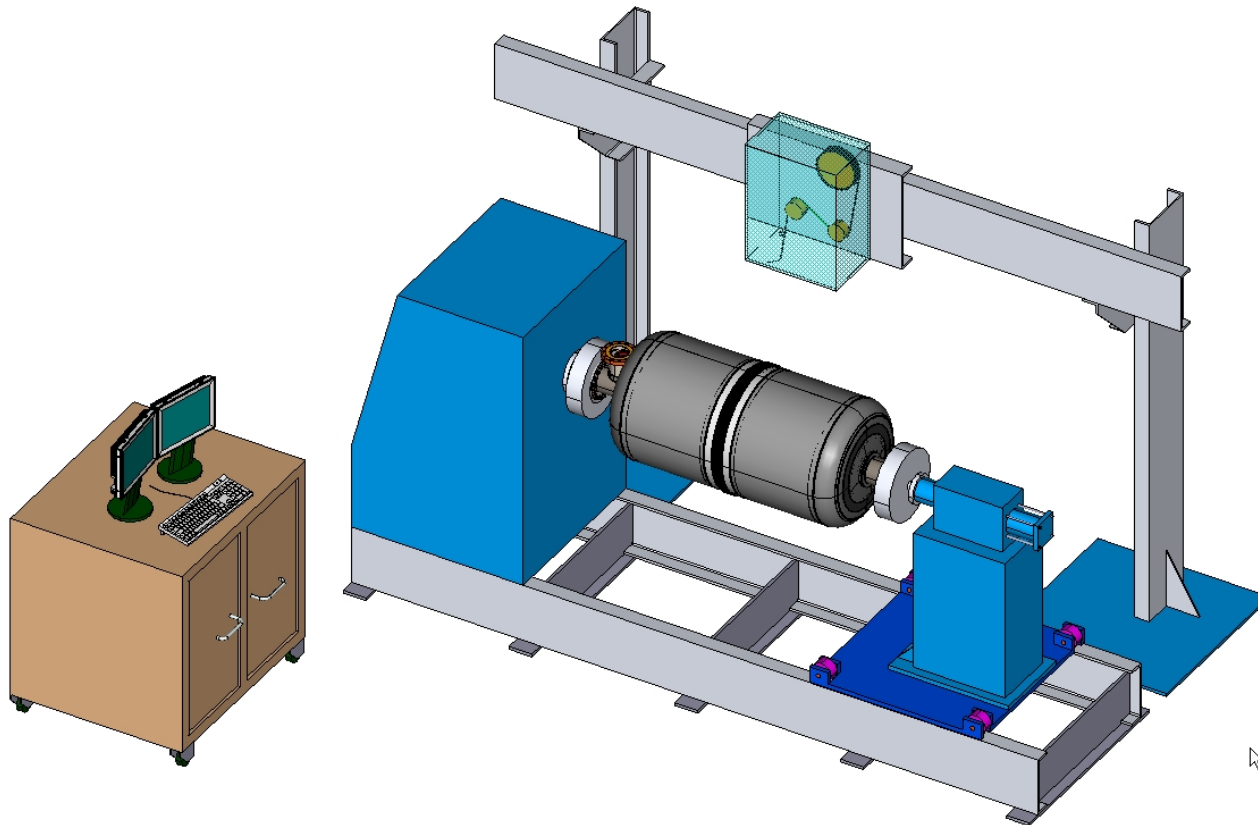
Helium vessel slid over cavity from field probe end
and engaged in the coupler end as shown

650 MHz Cavity Update



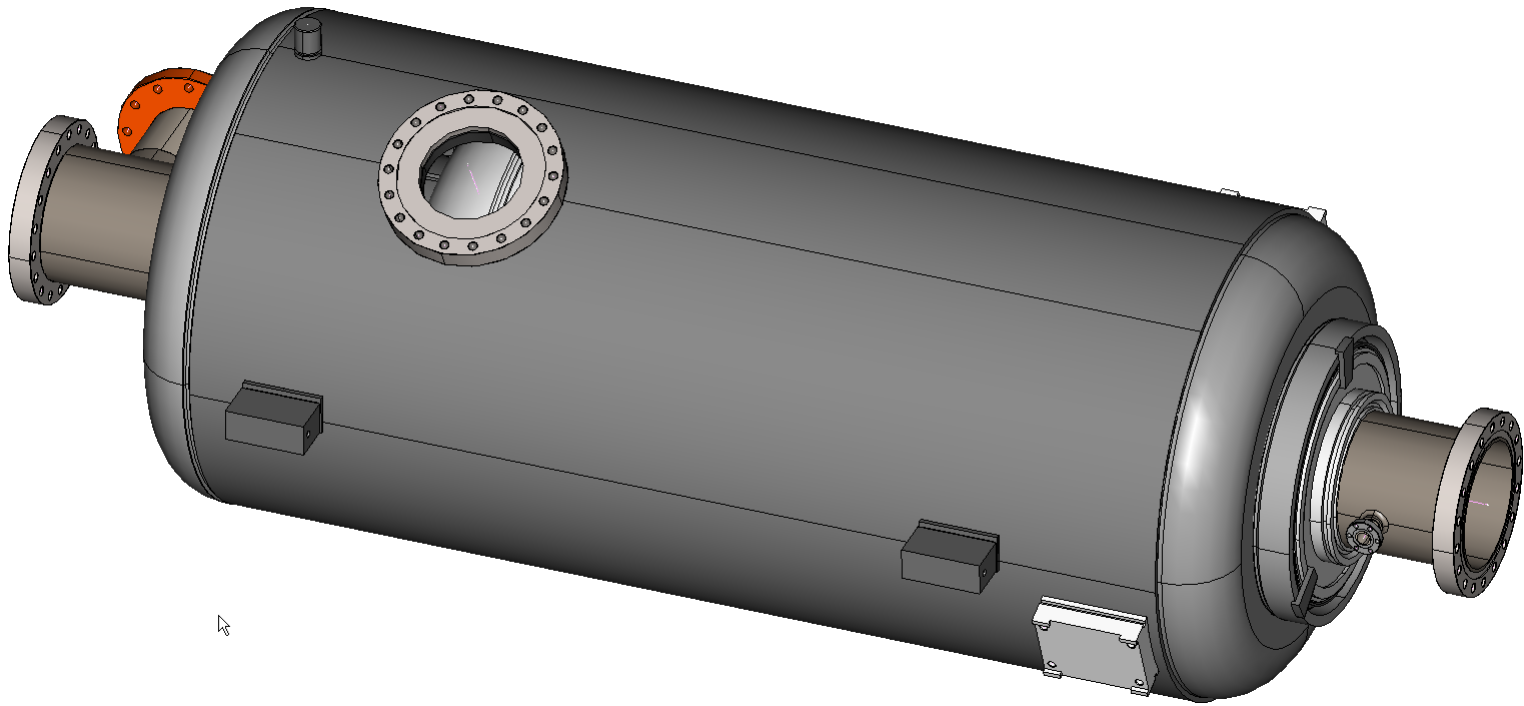
Two open-air TIG welds required complete dressing

650 MHz Cavity Update



Automatic TIG welding machine

650 MHz Cavity Update



Final dressed cavity