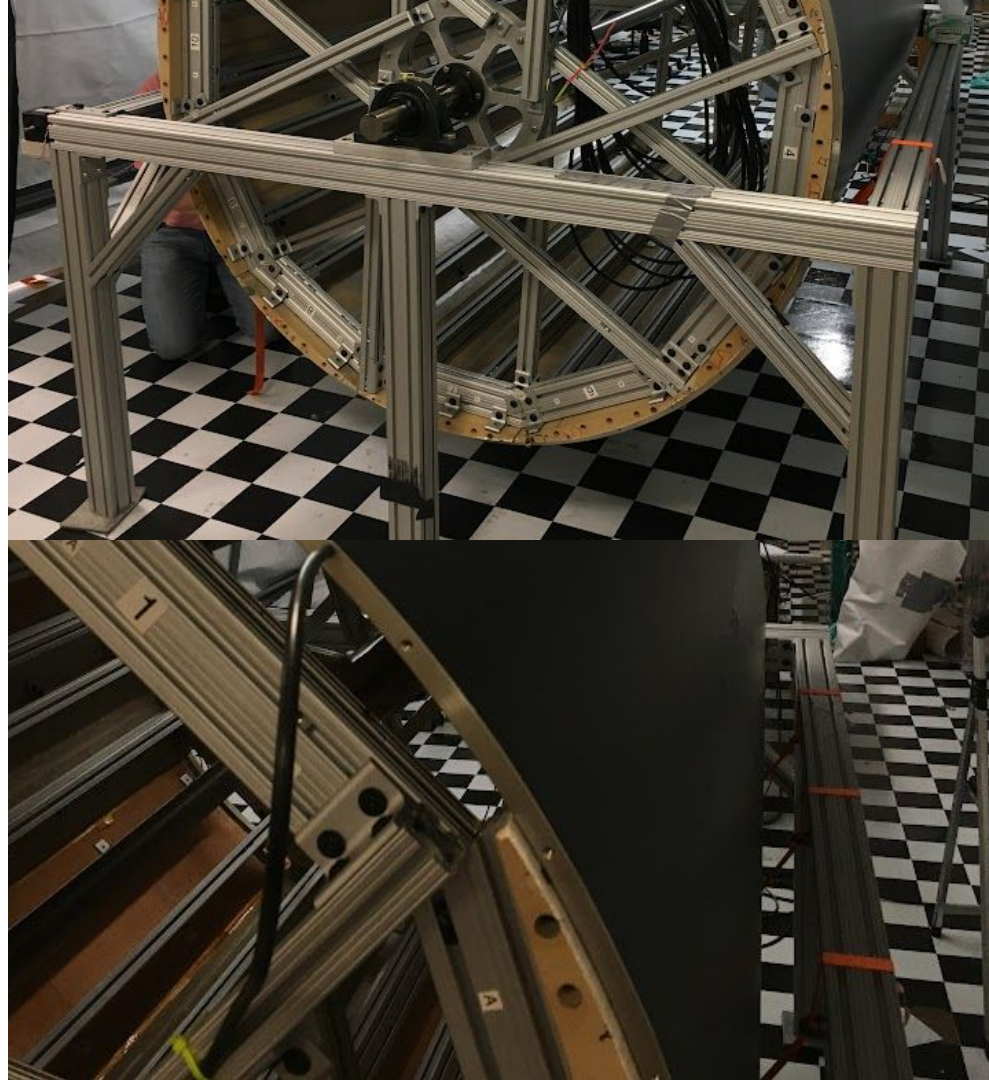


pfRICH Mandrel Removal Plan

Julian Driebeek, Charles Joseph Naim
8/11/25

Produce a cradle out of ratchet straps

Modification: Also mechanically secure endrings to the table



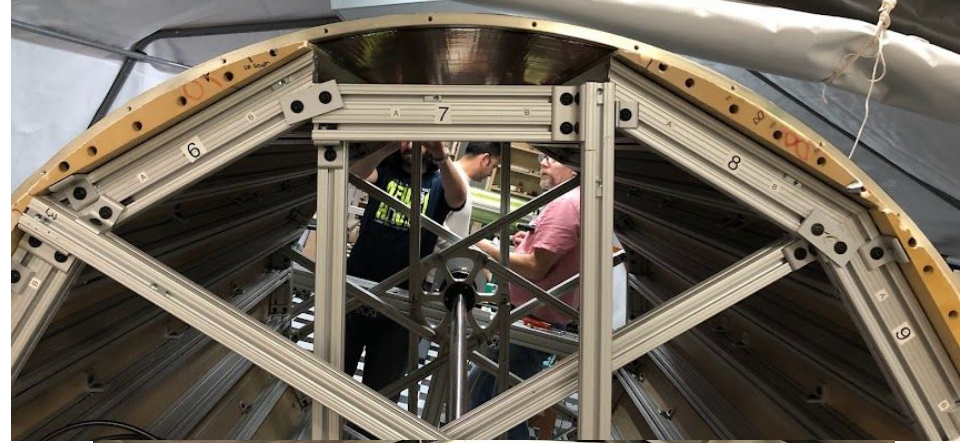
Remove all wide panels

Rotate mandrel so panel is on top

Slide down supports and re-secure them

Detach foam

Slide out foam



Remove narrow panels

Add short 80-20 bars between the spokes of the frame

Rotate mandrel so panel is on the bottom

Place a long bar over the short bars on each side

Detach the panel from the frame

Lift the panel with ratchet straps and slide it out



All foam removed

Now deconstruct frame



Remove Shaft

The shaft can be supported by a long bar during removal



The vessel will be removed from the table and stored vertically

We believe it will be manageable for 2 or 3 people to lift and rotate the vessel

It will be placed on a foam base and covered with plexiglass

The cradle will be left in place

The vessel can be placed back in the cradle for metrology or test fitting



This gantry is available if needed

