

## The magnetic field value is important. Is the direction?

J. Norem

The operating field was sensitive to B field direction - in the box cavity.

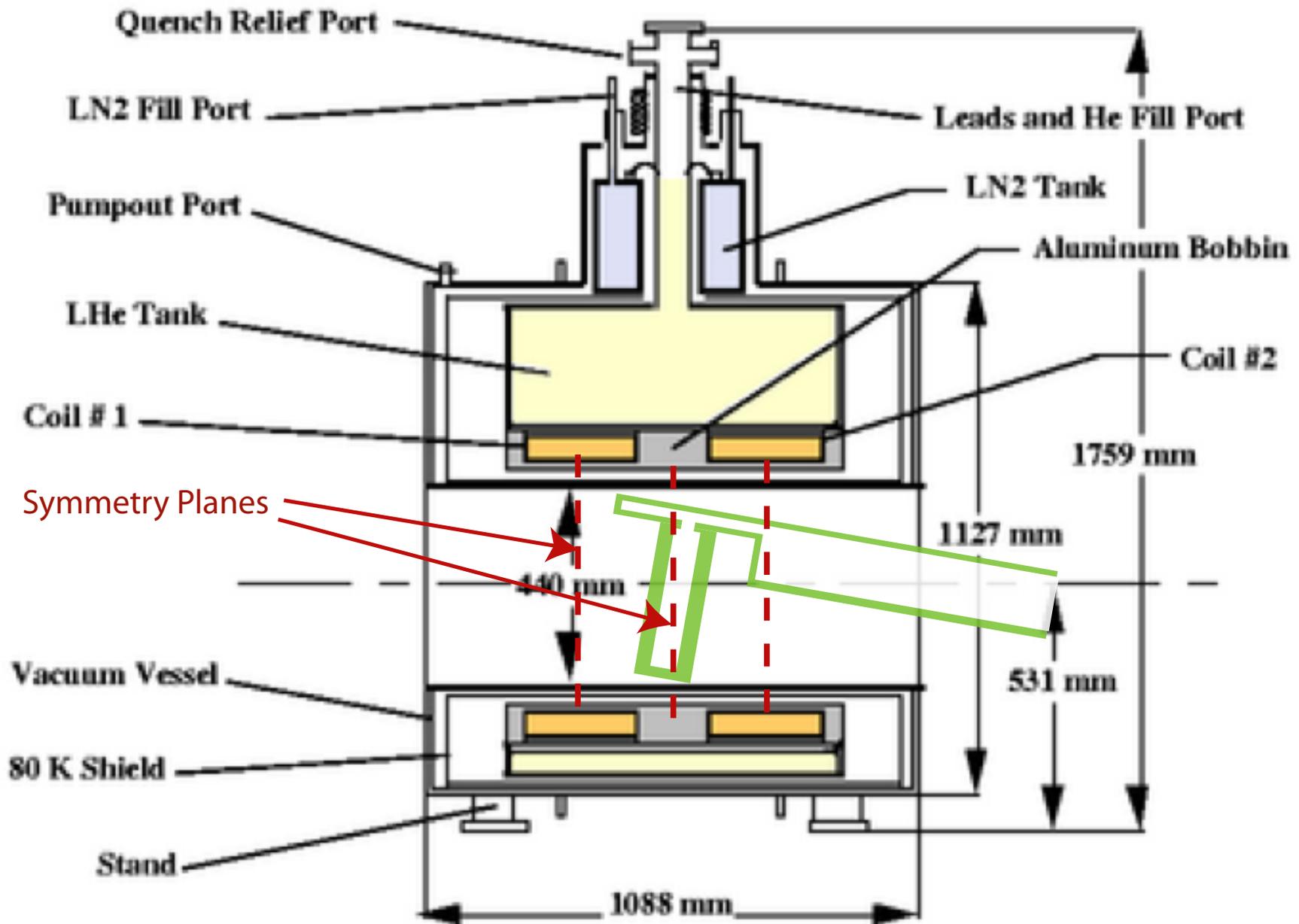
The normal operating mode will involve a range of magnetic field angles.

While we haven't done so yet, we should be able to calculate angular effects.

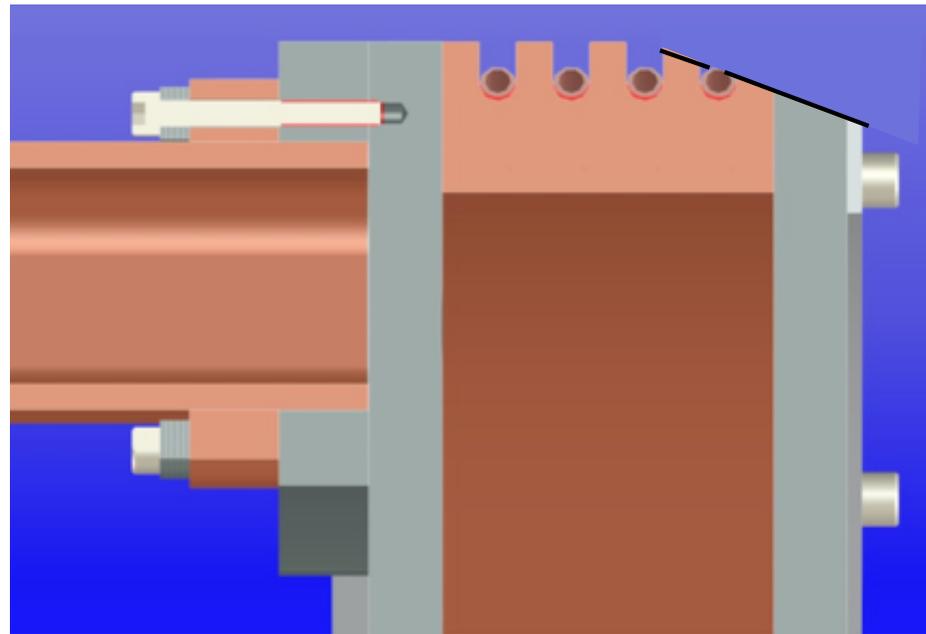
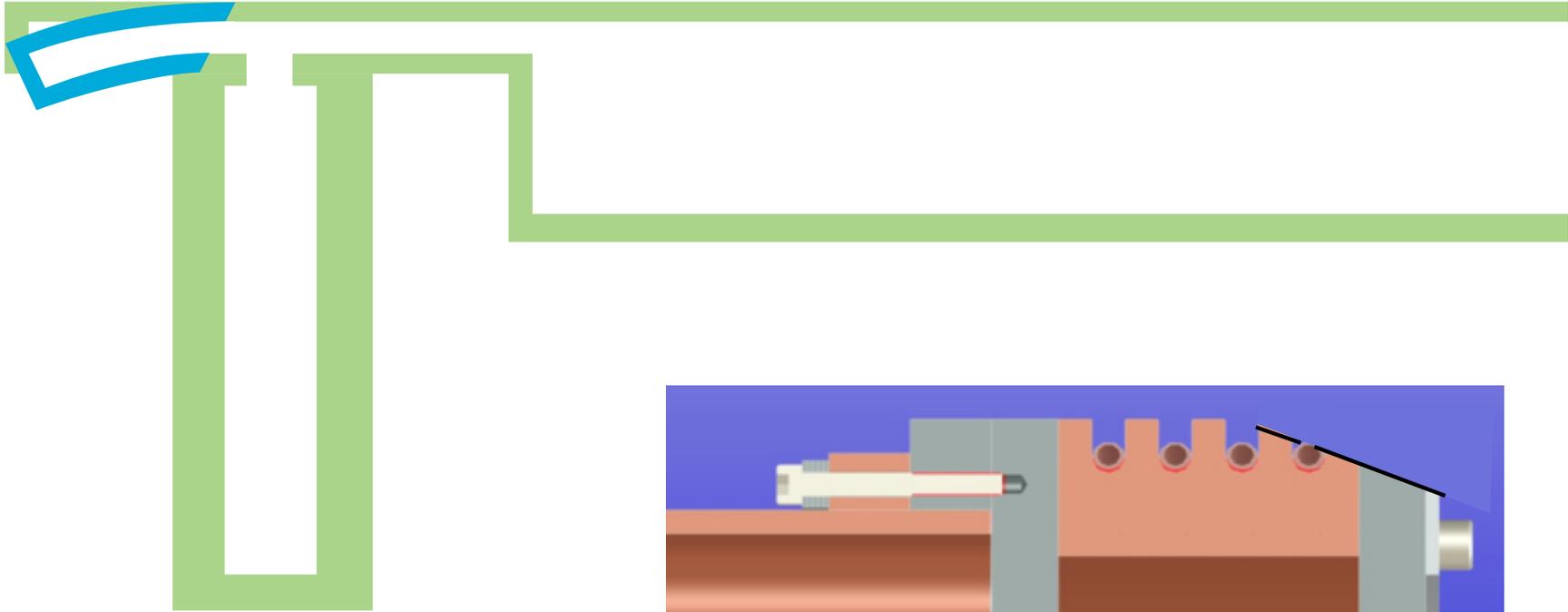
These tests could be done with little extra cost if the design accommodated them.

The results should be relevant both to MICE and beyond.

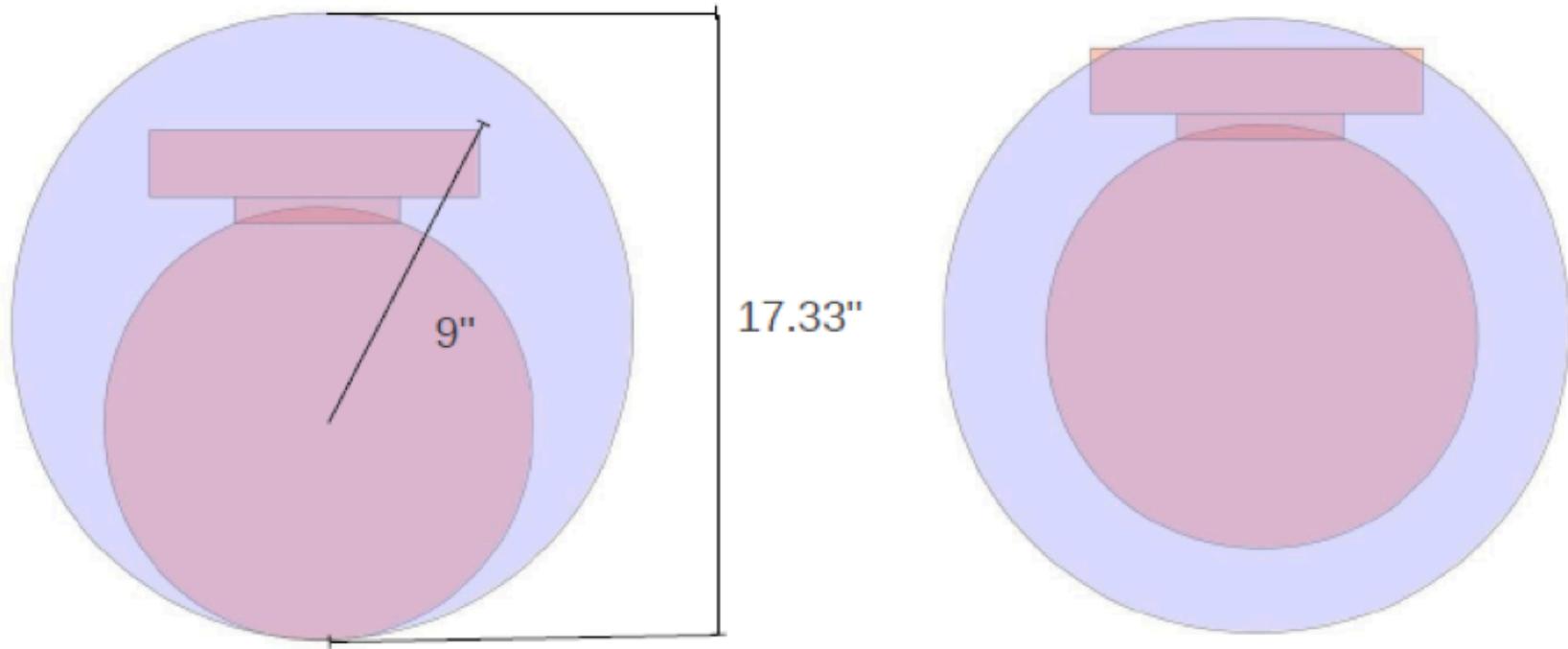
Can we look at small angle effects ? (10 degrees shown)



With modifications, the cavity would go to larger angles.



There seems to be plenty of room in the magnet.



Checking the dimension, it can fit into the 17.33" bore if the center of the cavity is lower than the center of the bore.  
But if the cavity needs to be at the center of the bore, then this one can't fit in.  
I can lower the waveguide the re-scan.