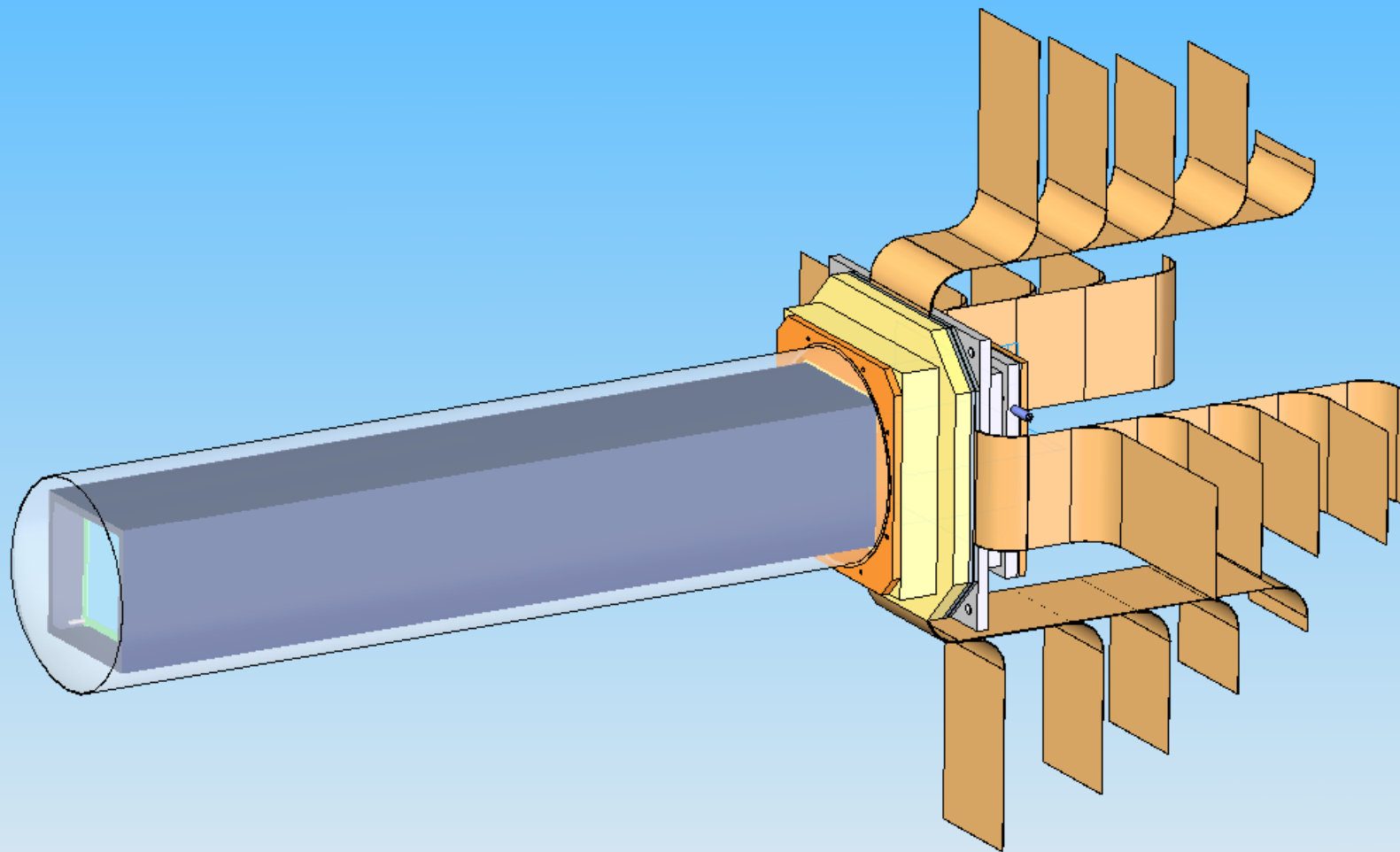
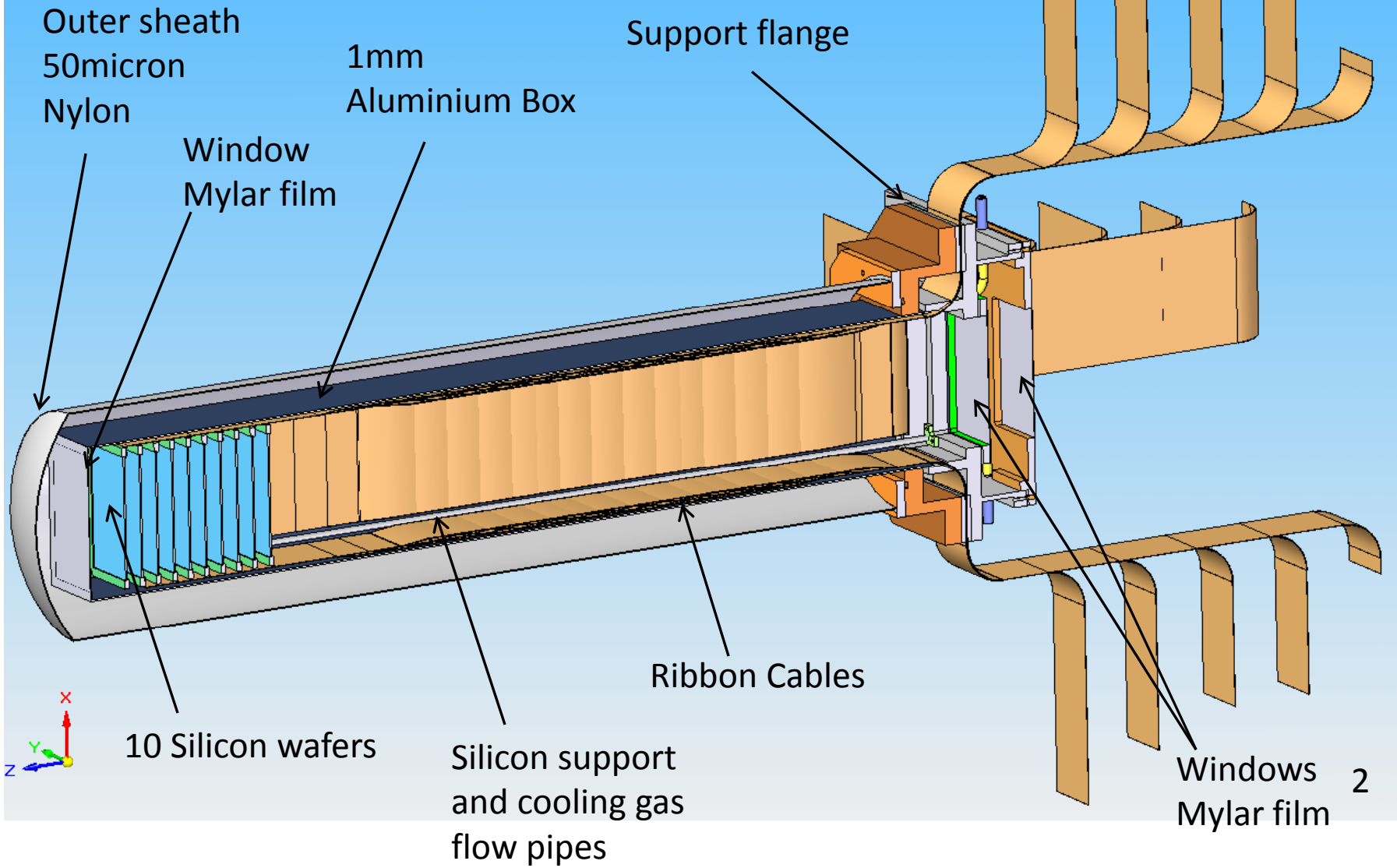


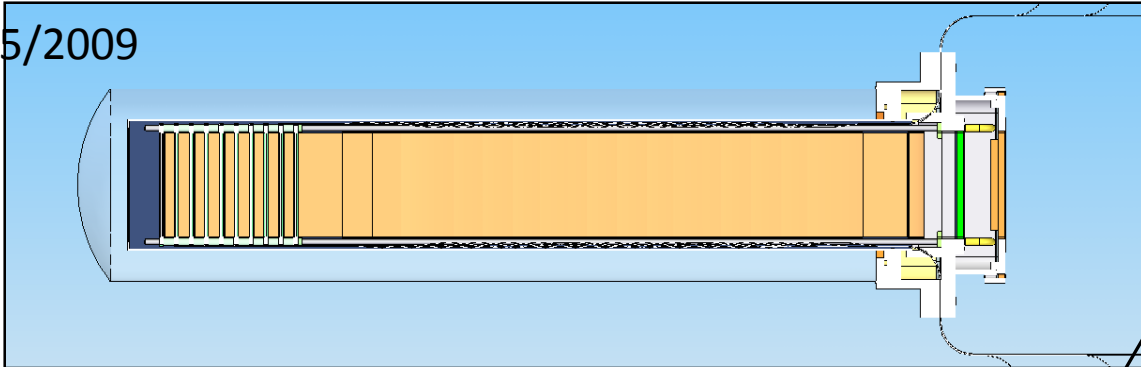
AIDA 07/05/2009



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AIDA 07/05/2009

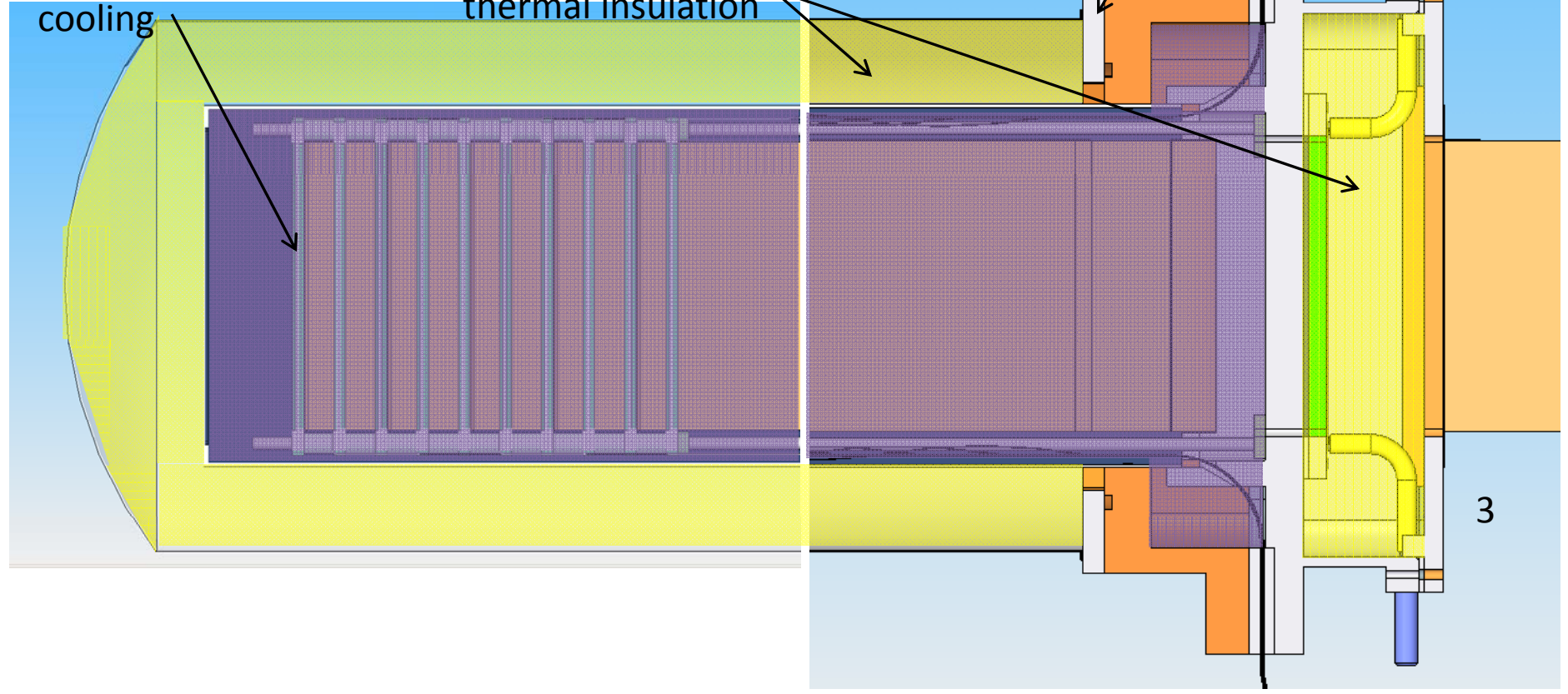


Plastic

Stainless Steel

Volume flooded with N2 at 0 degrees for cooling

Volume flooded with N2 at 20 degrees for thermal insulation

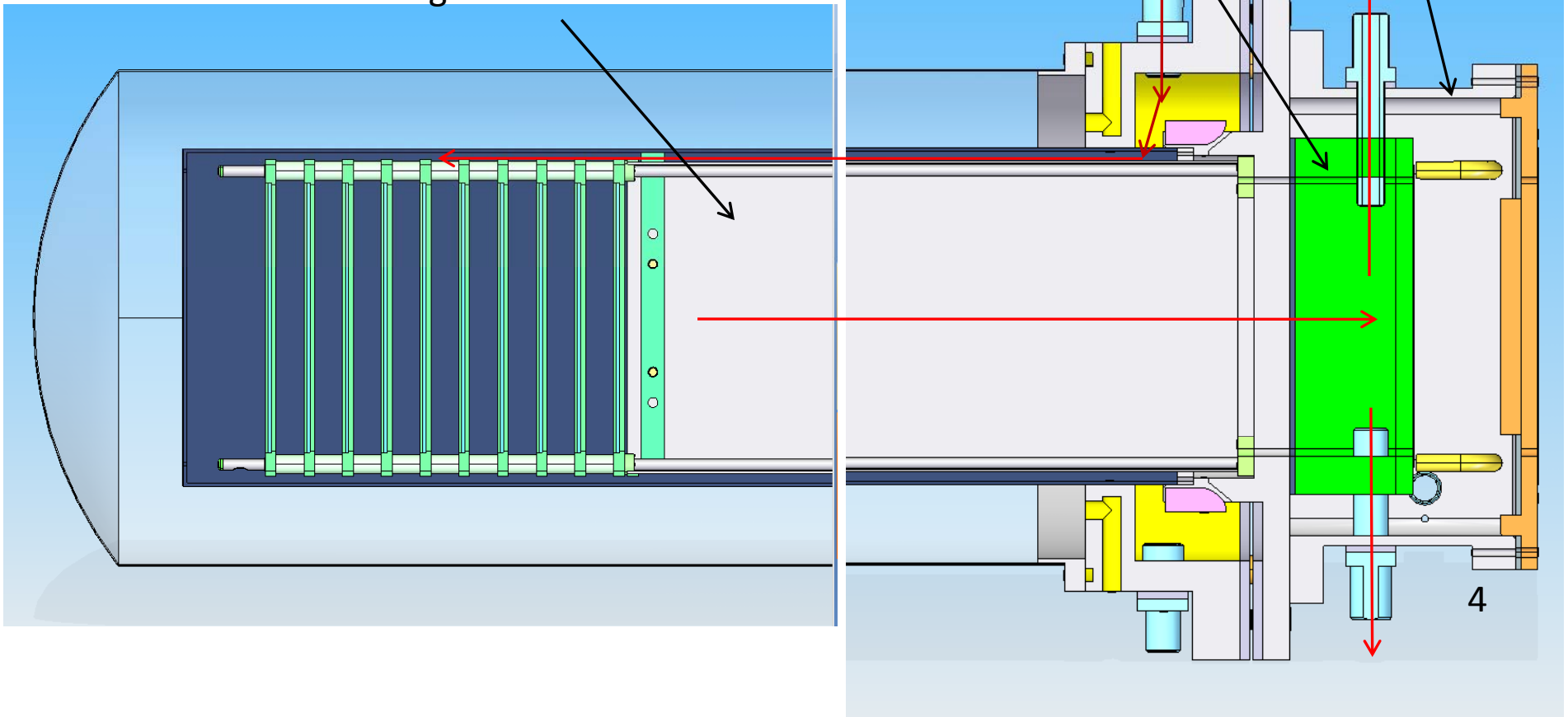


AIDA 09/06/2009

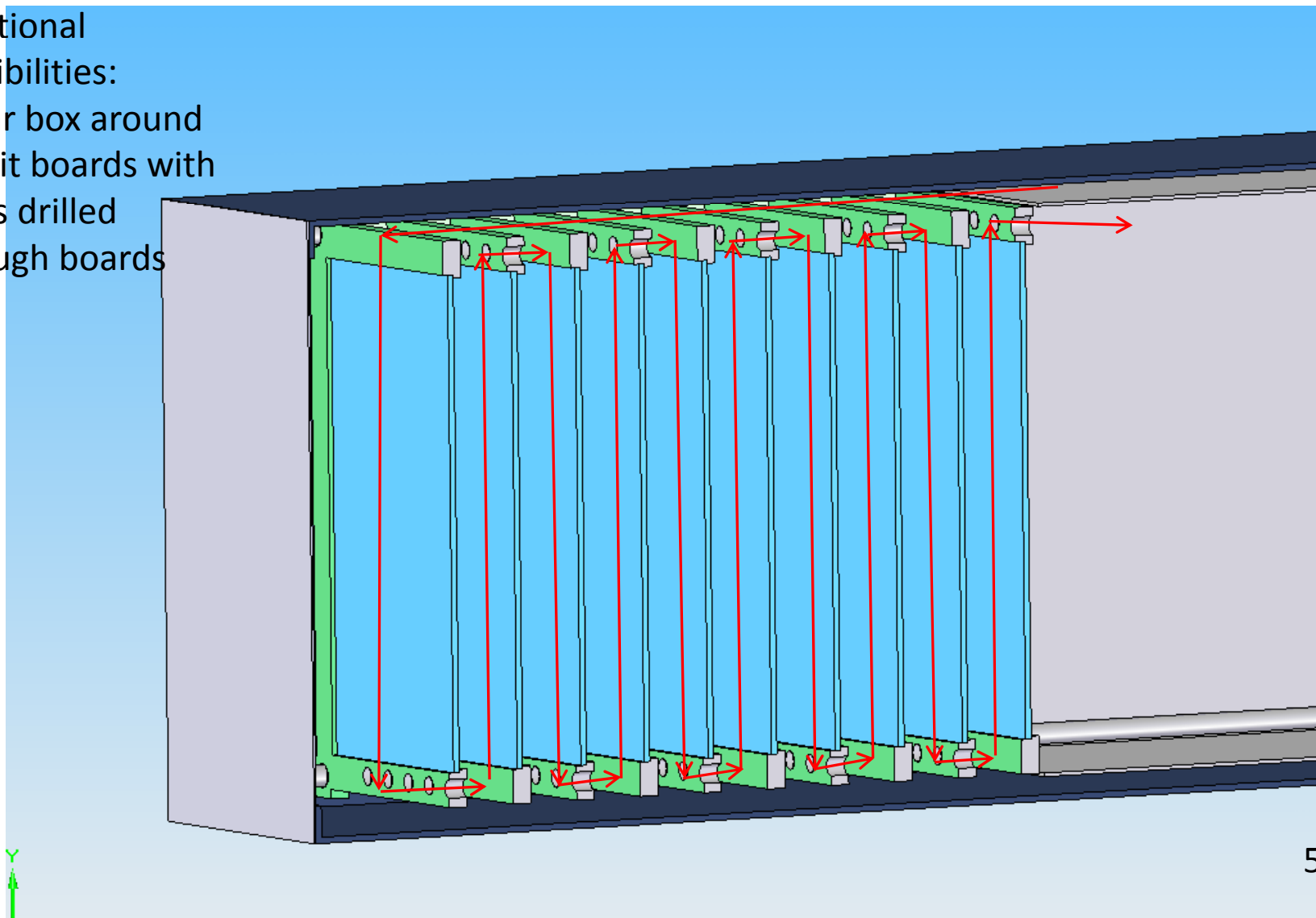
Mylar liner
wrapped round
pipes to guide
gas flow

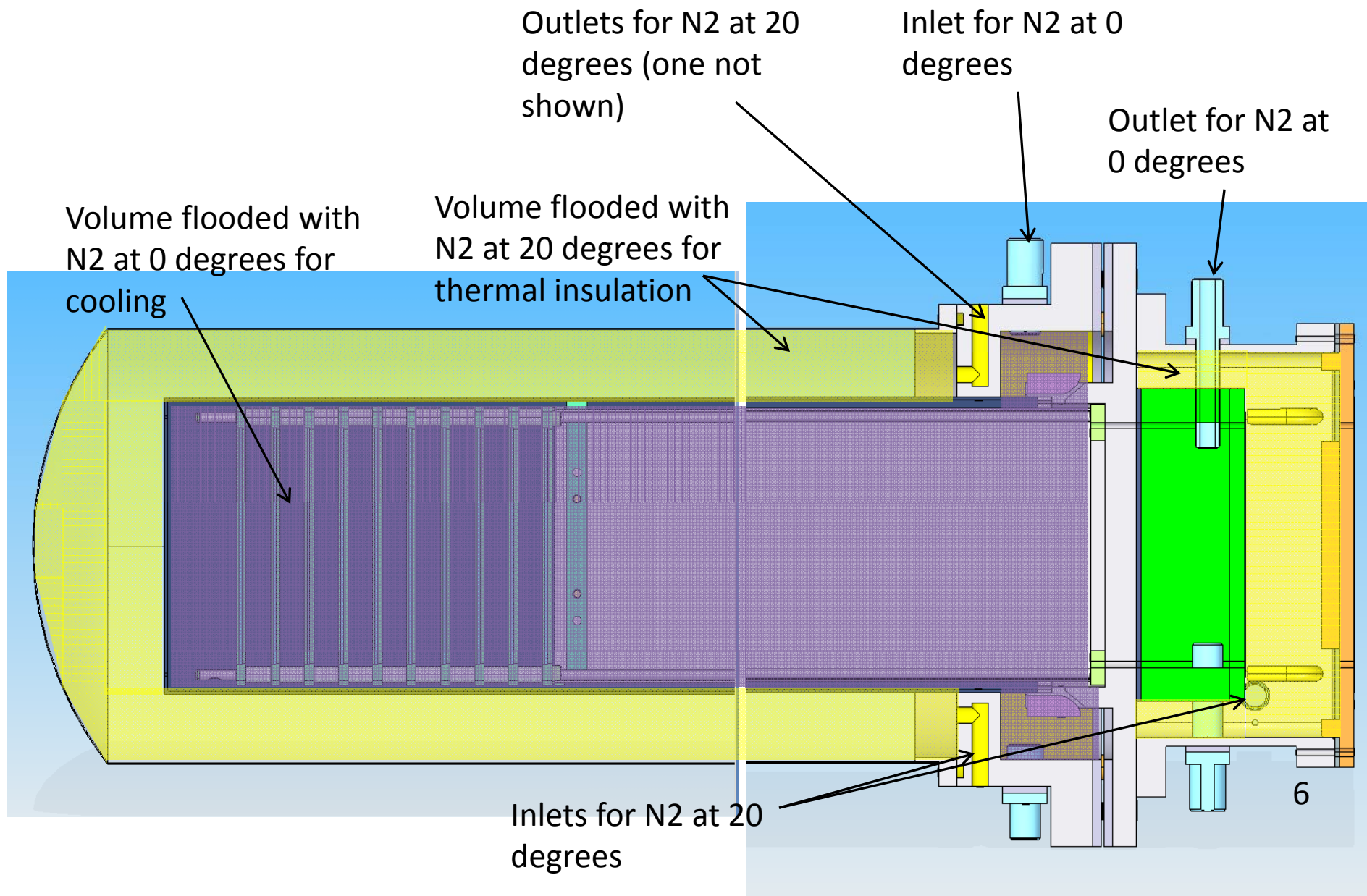
Plastic window
spacer added

Component
split in two and
lengthened (this
part plastic)



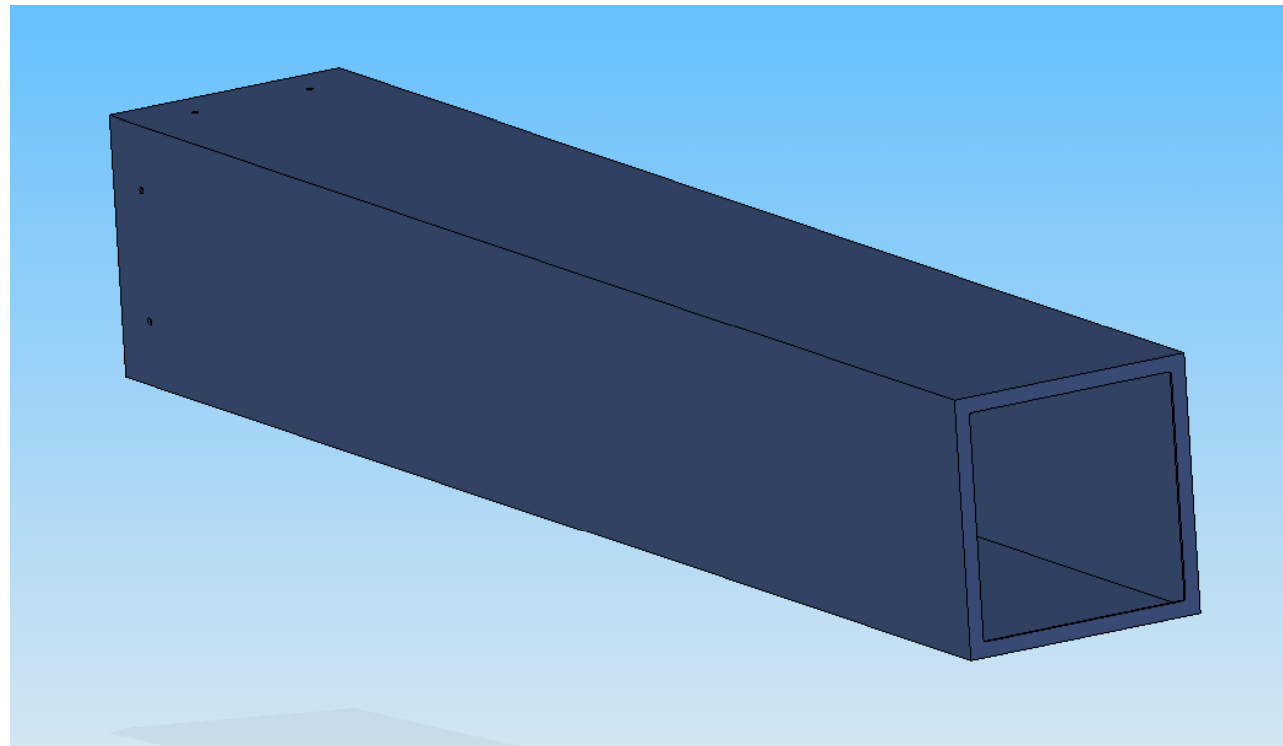
Additional possibilities:
Mylar box around circuit boards with holes drilled through boards





Aluminium Box

Machining method.
Buy std Al extrusion
Machine outside.
Use spark erosion for
internal profile.



Fabrication method.
Make 2 L shapes and
weld together.
HAZ
Tack or Stitch.
Varying thickness on
edge

Bonding method.
Make 2 L shapes and
bond together.
Varying thickness on
edge
May be issues with
conductivity between
plates

Should the part be
allochromed?

Plan

