

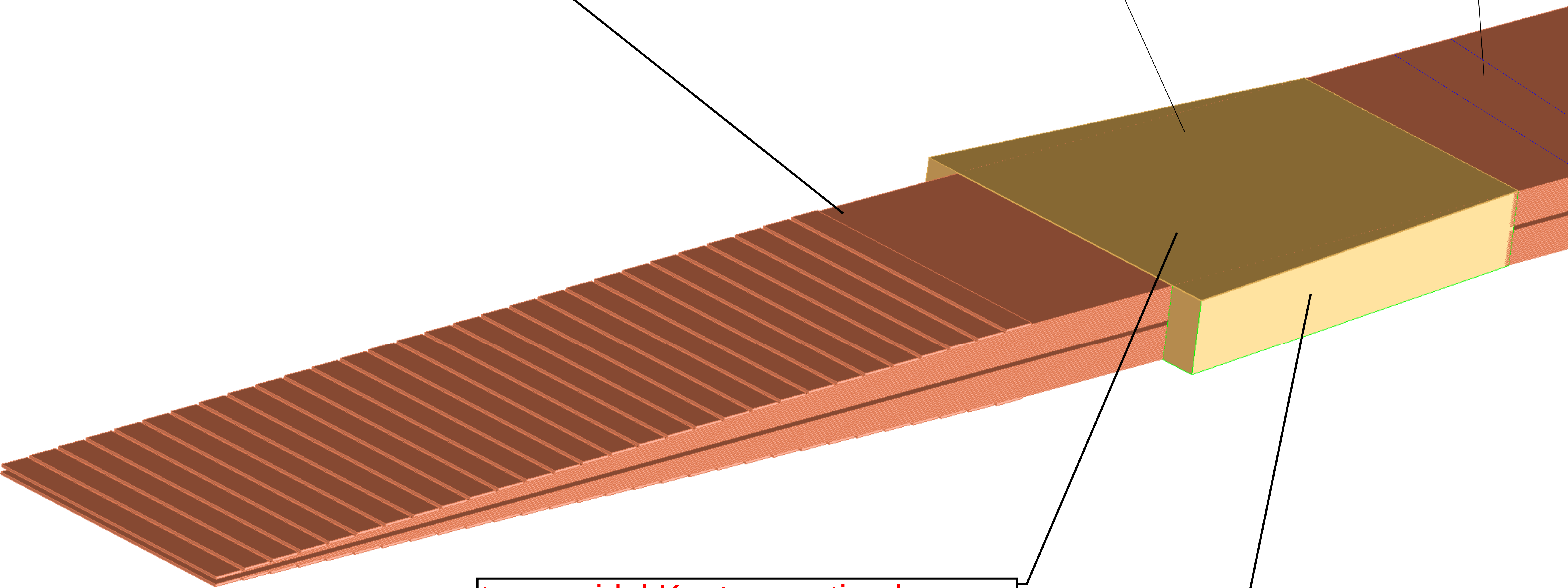
Feedthrough Concept, all polyimide multilayer

D. Shuman, 6/4/12

Cu/Kapton/Cu/Kapton
cables (2 side with
coverlay)

cables press bonded under
vacuum with Kapton "adhesive"
sheets in this area

(also in adjacent section
(not shown yet)



trapezoidal Kapton section here
(part of cable)

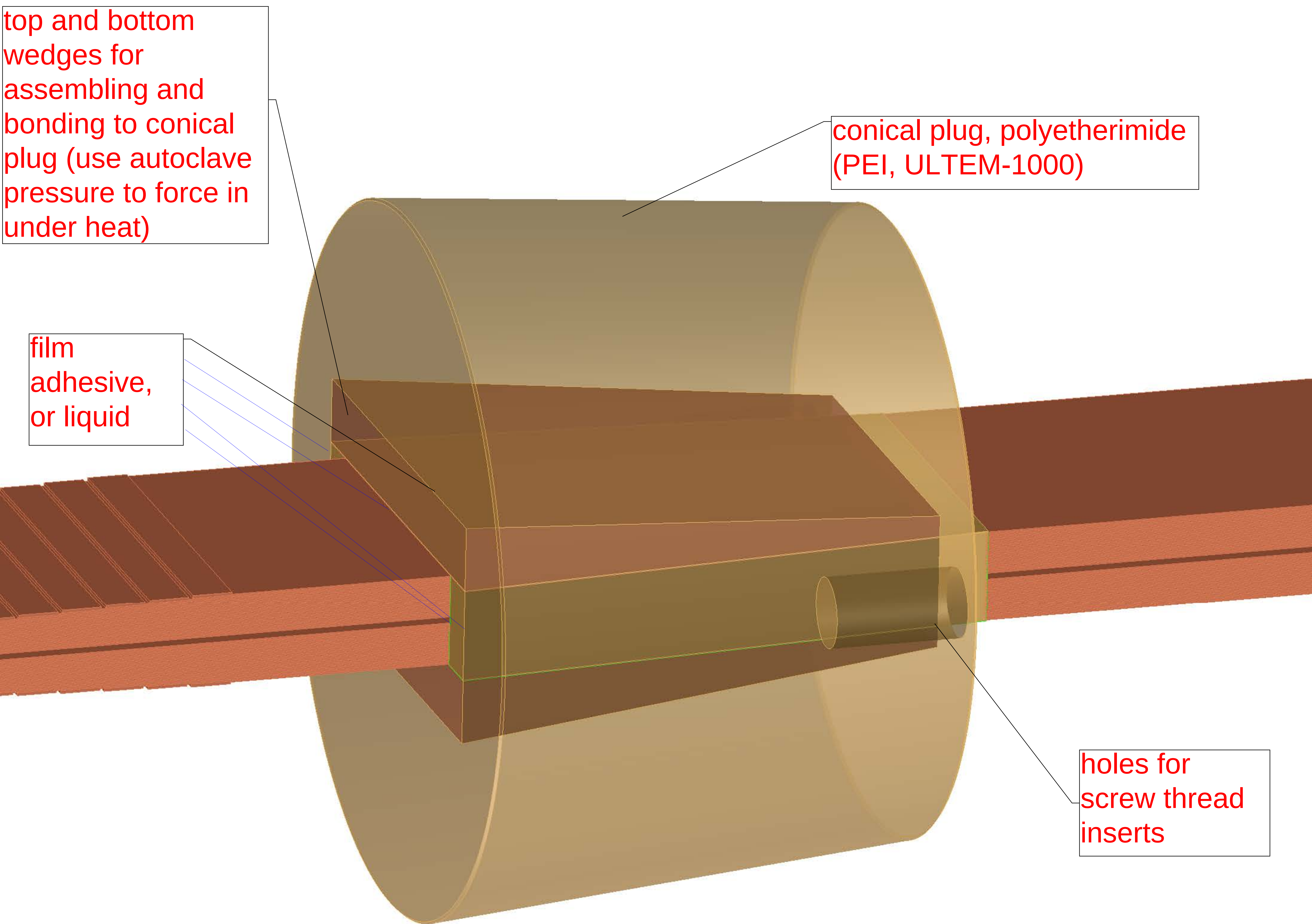
interleave kapton sheets
here to make up missing Cu

top and bottom
wedges for
assembling and
bonding to conical
plug (use autoclave
pressure to force in
under heat)

conical plug, polyetherimide
(PEI, ULTEM-1000)

film
adhesive,
or liquid

holes for
screw thread
inserts



56 cables shown, easily could be 111, but inside length might be an issue

4.5mm x 0.3mm cable end for ZIF connector (on inside cable)

some similar treatment needed here

