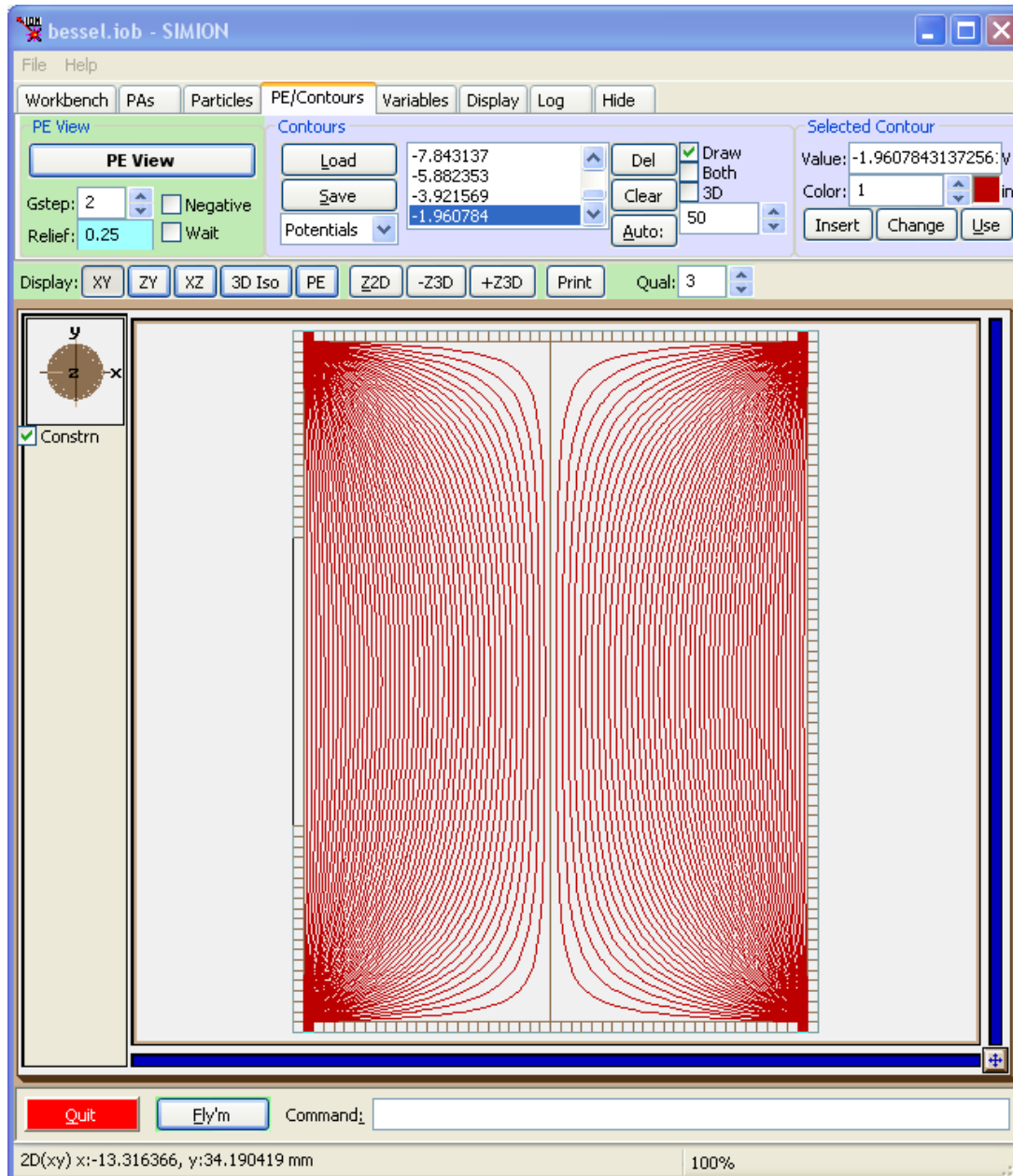


# RFA Design

C.Y. Tan  
22 July 2008

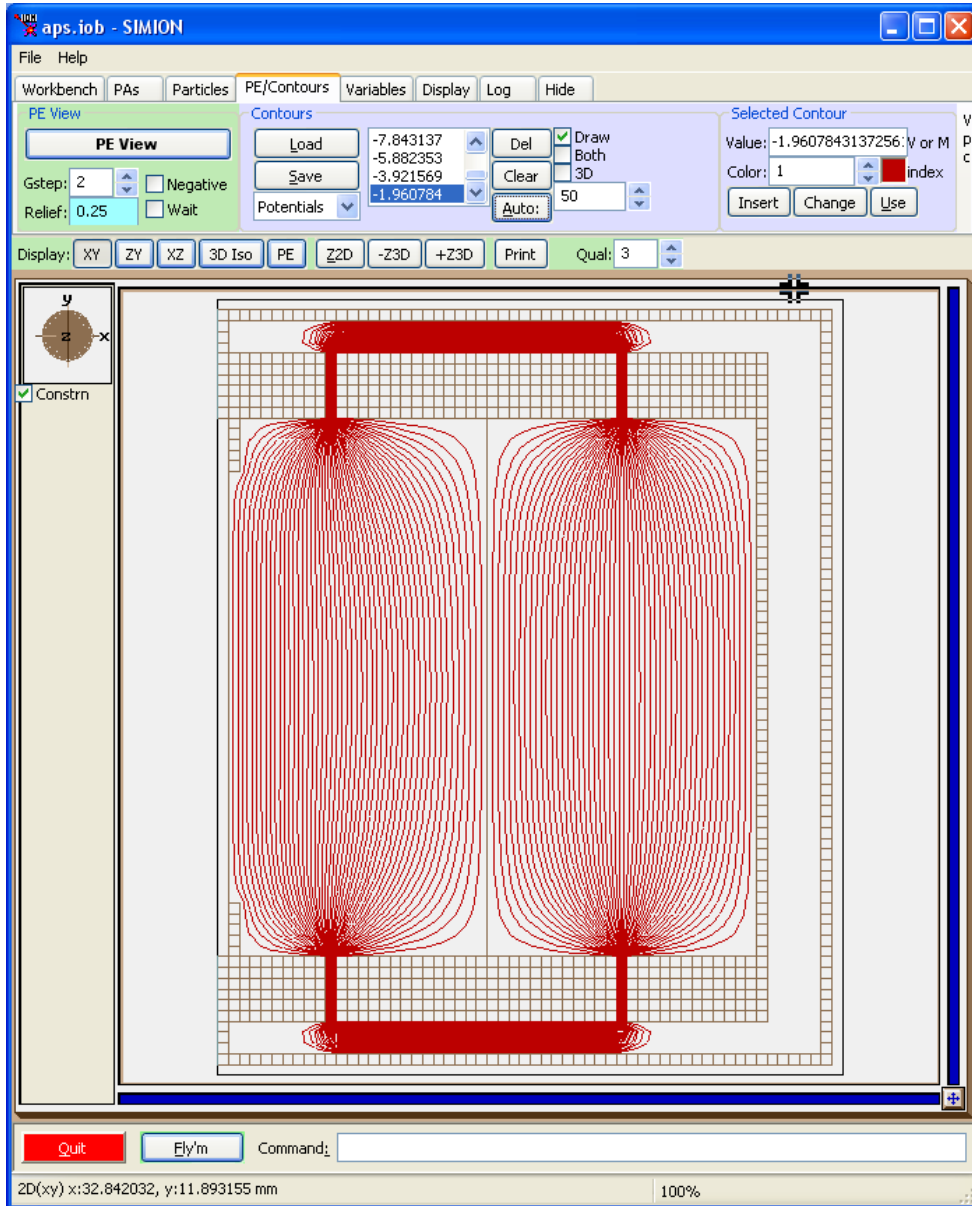
# Old Design Too BIG!!!!



Diameter of 2.6", hole is 1" diameter. Note pipe is 1.315" in diameter!!!!

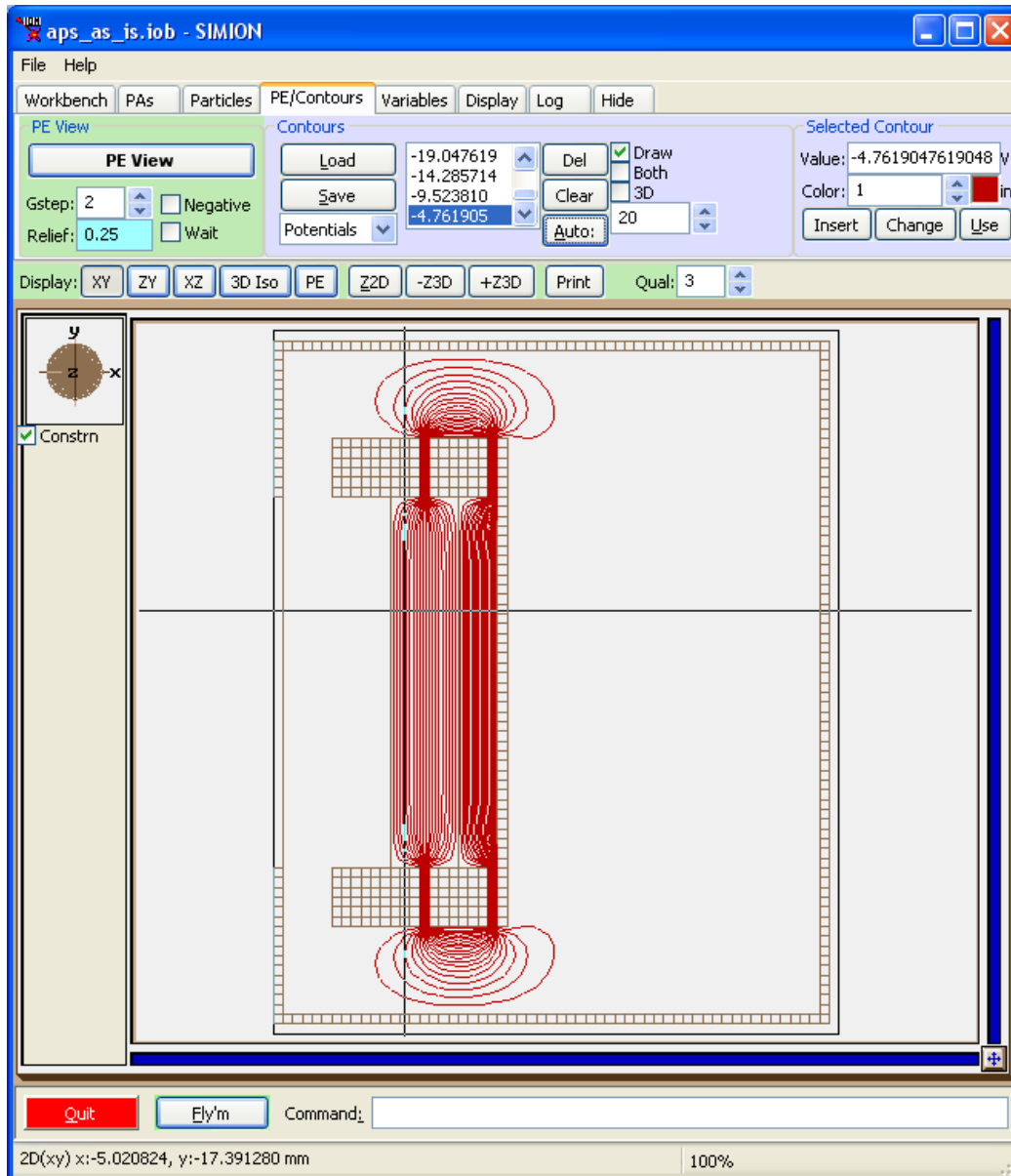
Shrinking down made things really inefficient. New Design!

# New Design (Note field lines different)



1" diameter, 0.75" hole, 1" length.

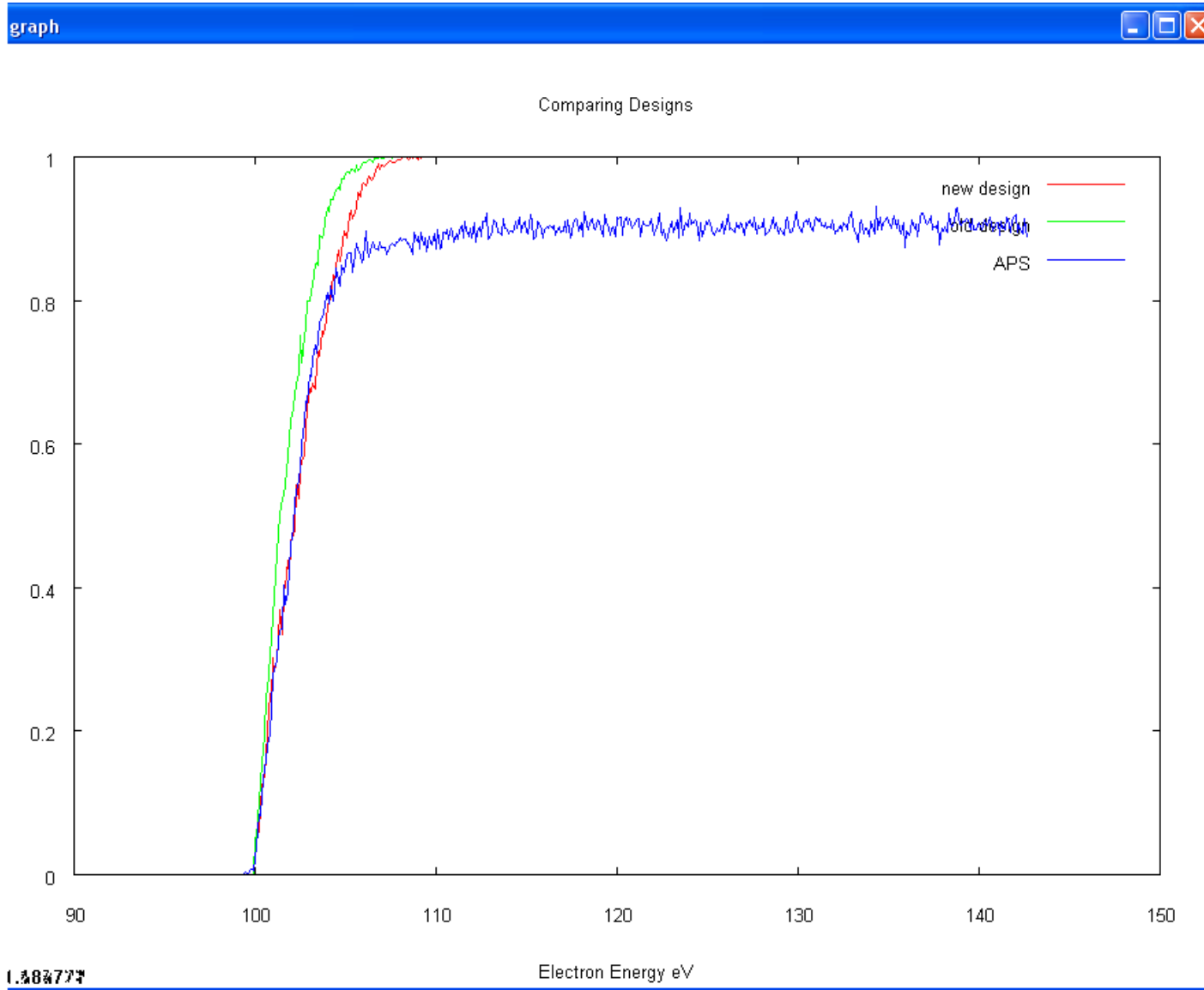
# Reminder APS Design



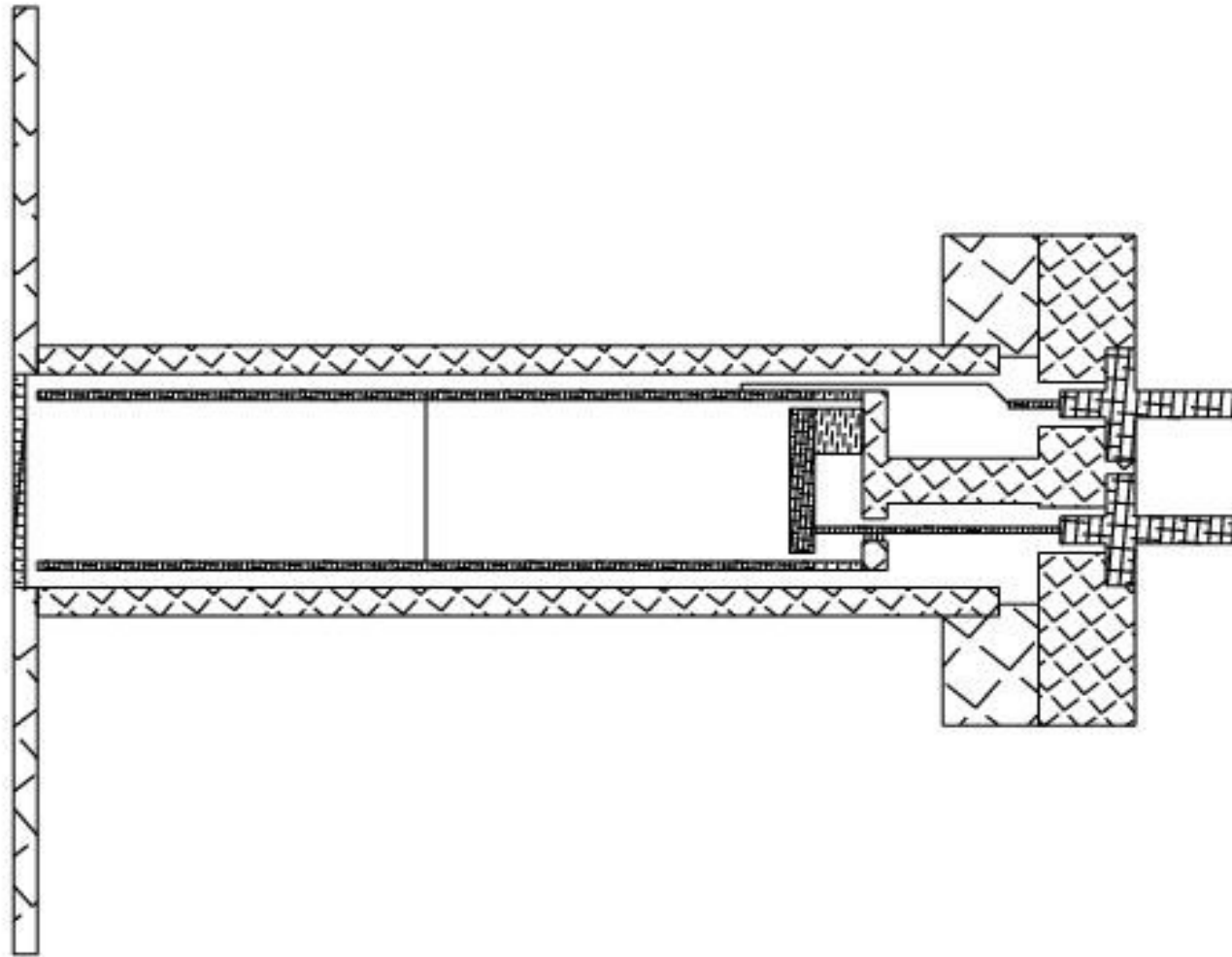
1" diameter. 0.75" hole, 0.35" long.

Note that the APS design has 2 grids because it wants to keep the fields contained.

# Comparing the Designs



# Cartoon of what we will build



# Some Notes

- Xiaolong has some experience with test stands from his work at CERN.
  - Needs some discussion as to what we really want.
- Bob and I have started work with Kevin Duel from EE support for the design of the new RFA.