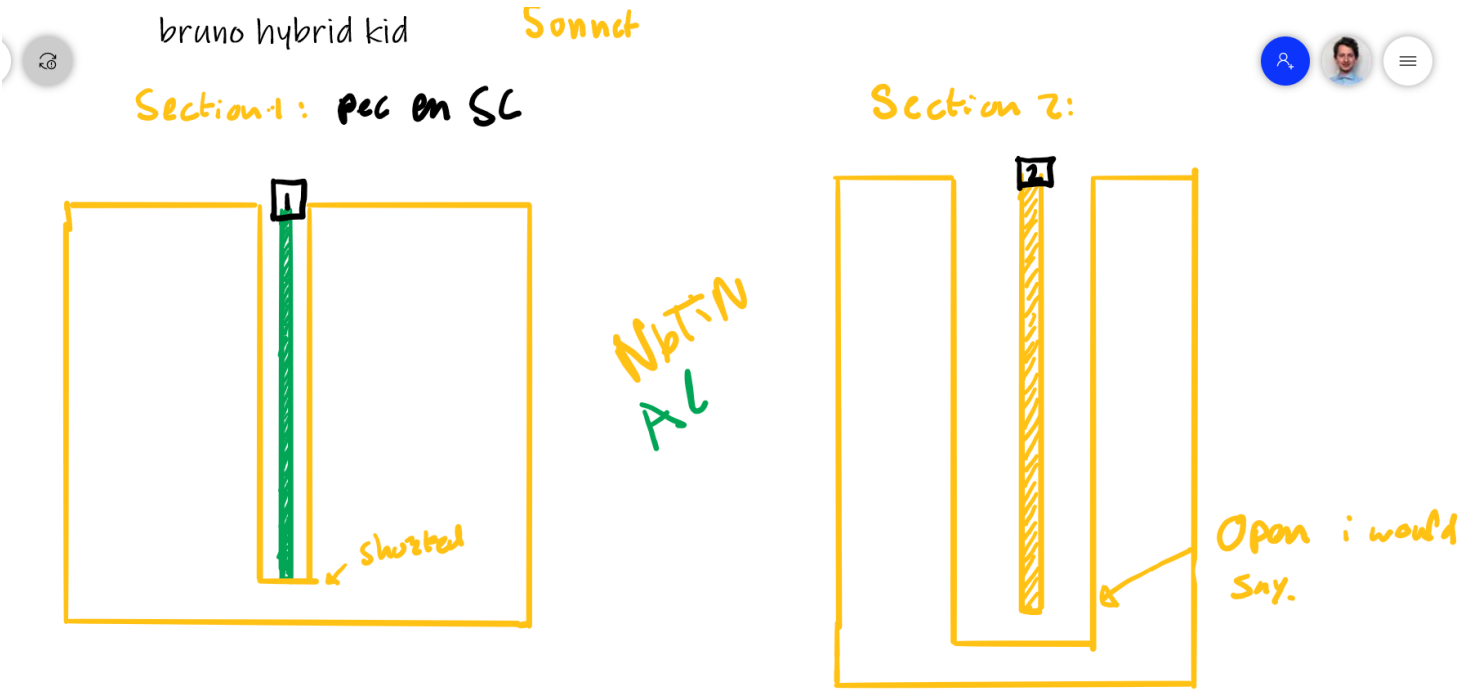
Loading data readme

> This will act as reference on how to make APE_LiveMainHybridKIDBruno work for your case.

Sonnet

in sonnet you want to make a simulation of the uncoupled resonator



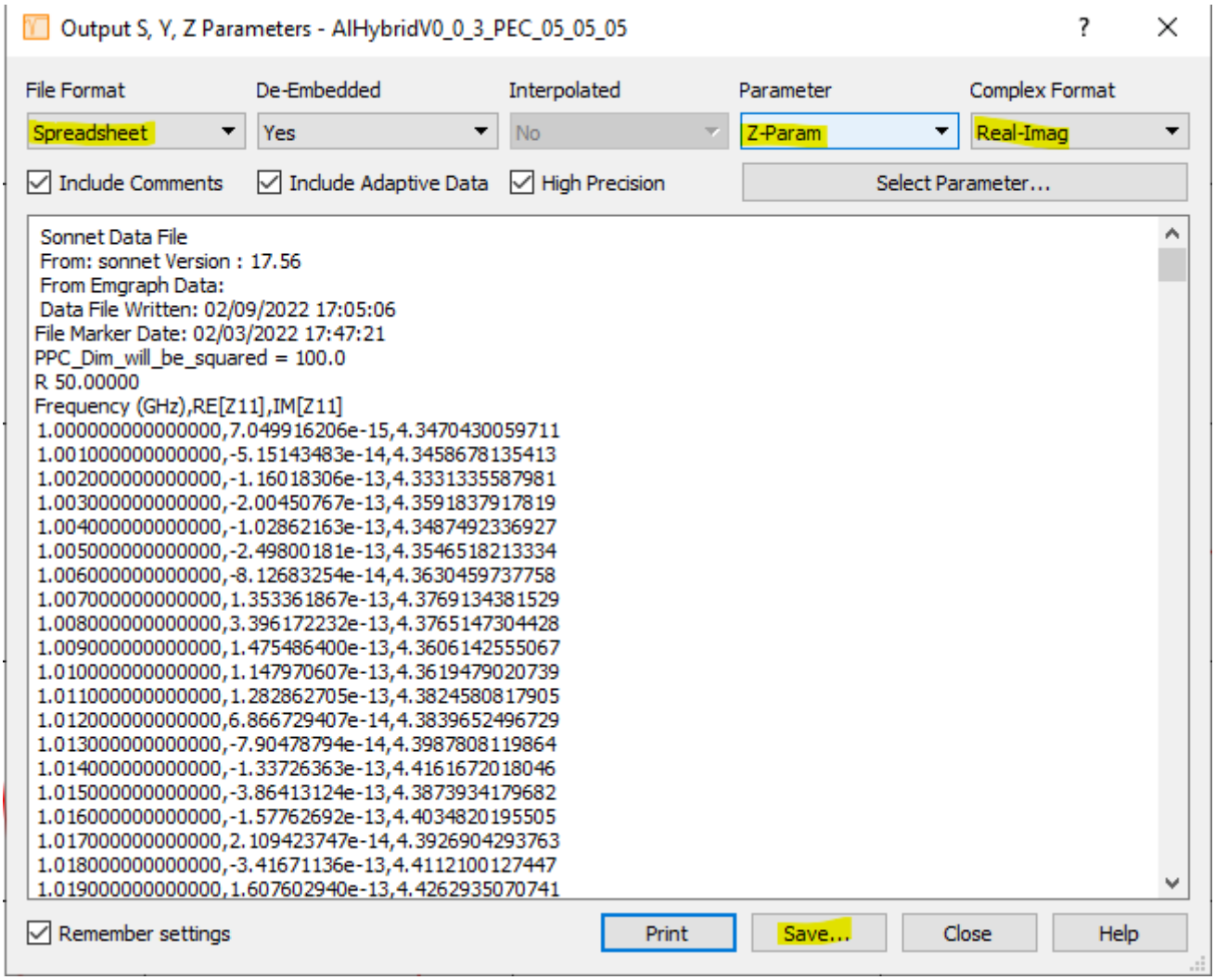
So you will need 3 seperate simulations:

- 1x Hybrid section with port at wall (Superconducting = Sheet kinetic inductace = value...)
- 1x Hybrid section with port at wall (Superconducting = Sheet kinetic inductace = 0)

- 1x Pure section with port at wall
  Simulate this in the region of interest (~1-9GHz)
  ....

- Go to Graph

- Go on the top to Output > S, Y, Z-parameter file
  Put the choosing boxes in the following ways:



- Now get that file into the **APE** folder under **Sonnet_data**

- Open matlab

- Open APE_LivemainHybridKIDBruno

- Go to line 28, 30 and 31 and fill in the name of the correct file that is inside Sonnet_data
- Run the script by pressing F5 or the run button
- Look under the section **Bruno: Output alpha_k, F0(SC),F0(PEC)** for the output of the program.