EXCESS HEAT SIMULATION

1. Experiment Description
2. Electric Scheme
3. Images & Video
4. Tech details & results
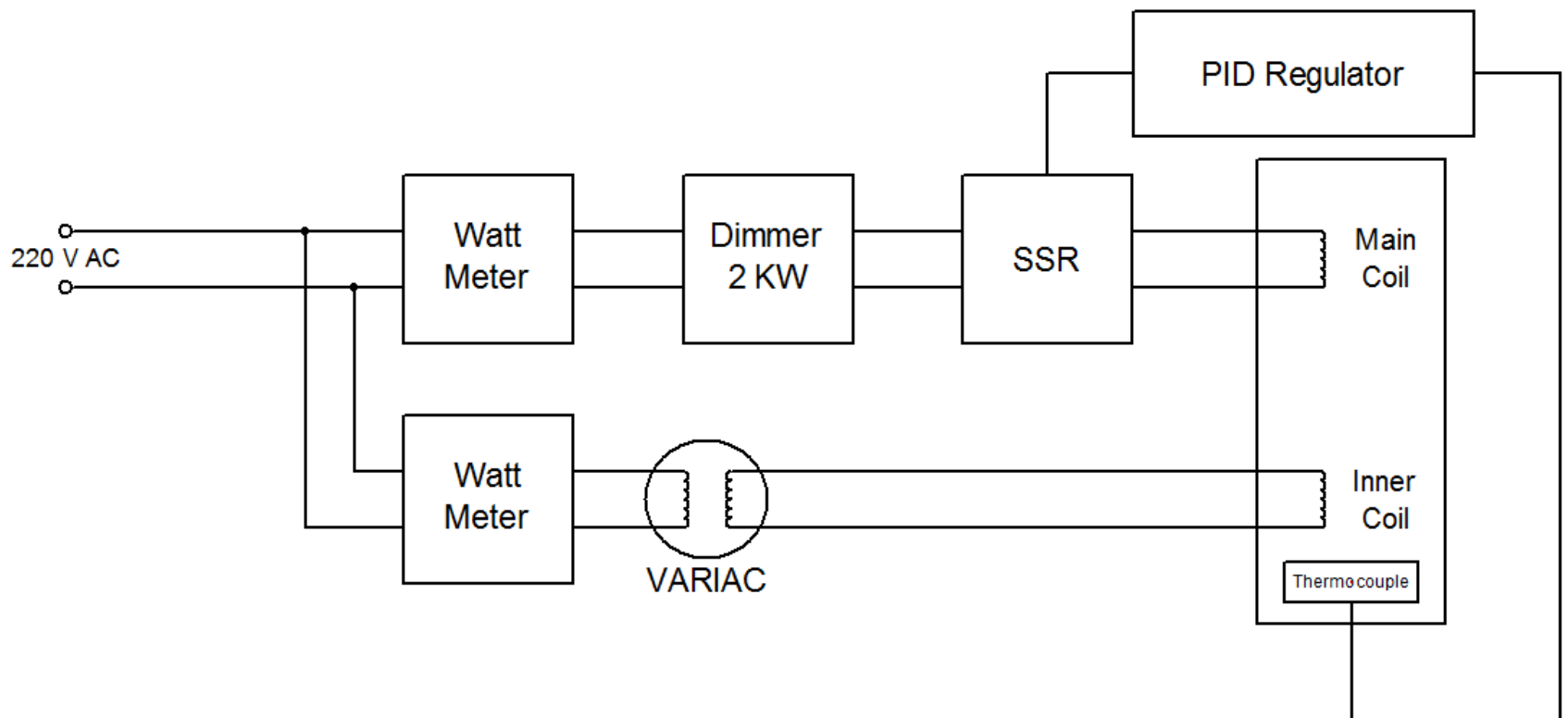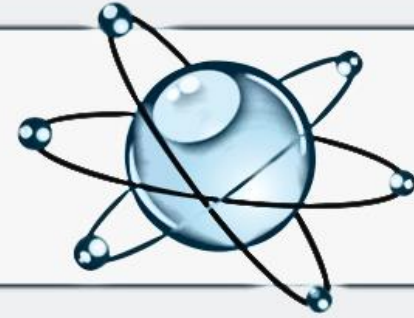5. Conclusion

Experiment Description

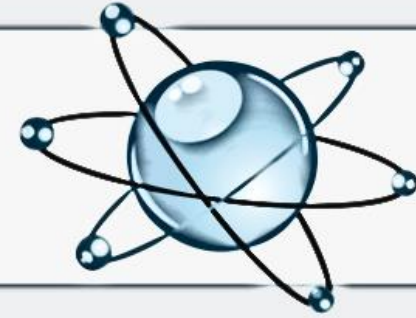The idea of this experiment is very simple.

We want to check whether it is possible **to detect input energy drop** when an additional energy source is introduced inside a LENR reactor, given that system temperature is kept stable due to use of PID regulator.
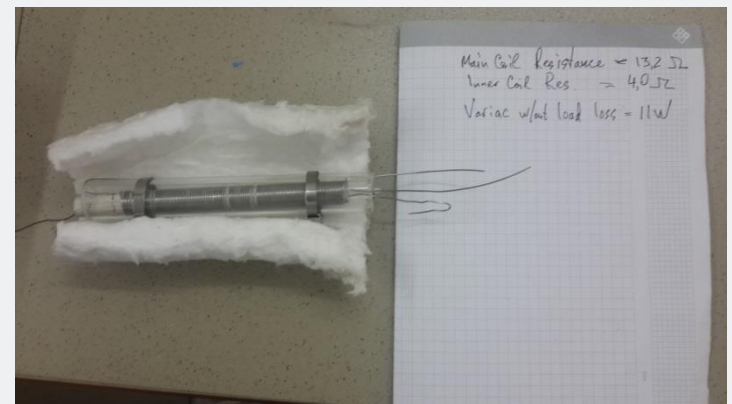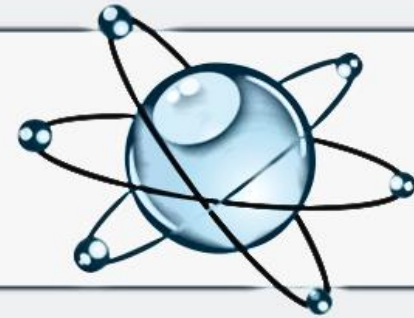
Electric Scheme

Images & Video

Some still images and 2 short (~5 mins each) videos were uploaded to:

https://mega.co.nz/#F!qpUESBzL!e4Q2ET8np9RbYOQpkl_QHg

When we send some energy into inner coil (white cable), input energy to main coil (black cable) drops for comparable number of watts after 5-6 minutes (needed for PID to stabilize the temperature).

Tech details & results

1. 0.7mm Resistohm-140 wire (up to 1300*C operational temp) was used for both main and inner coils
2. $R_{main\ coil}$ ~ 13 Ohm; $R_{inner\ coil}$ ~ 4 Ohm
3. Energy loss in the variac without load ~ 13-14 W
4. Energy consumption in main coil at 1000°C ~149 W
5. Time used by PID to stabilize temp ~ 5-6 minutes
6. After introducing ~ 20 W to the inner coil there was an input energy drop of ~17-19W in the main coil
7. After introducing ~ 53 W to the inner coil there was an input energy drop of ~50-53 W in the main coil

Conclusion
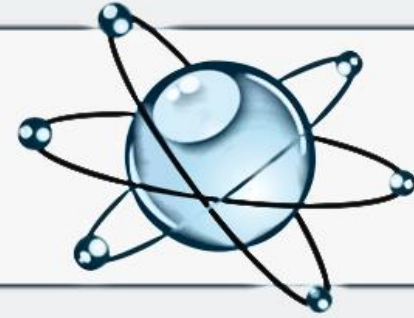
When an externally heated reactor is being stabilized by PID a drop in power input demonstrates a heat source within the reactor.

The wattage of input drop could be used to quickly estimate the heat contribution of the reactor core.