

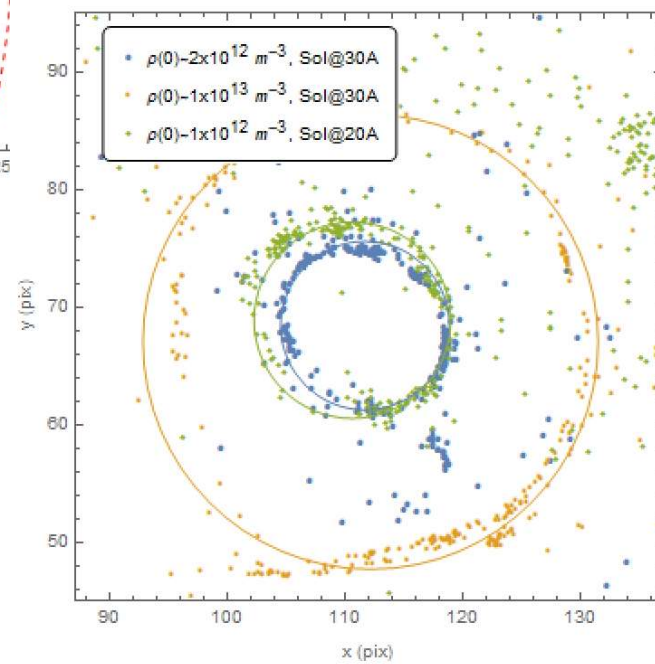
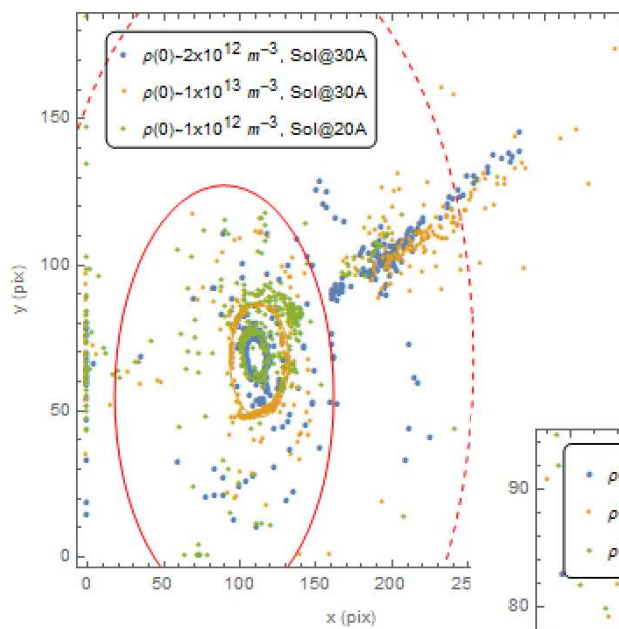
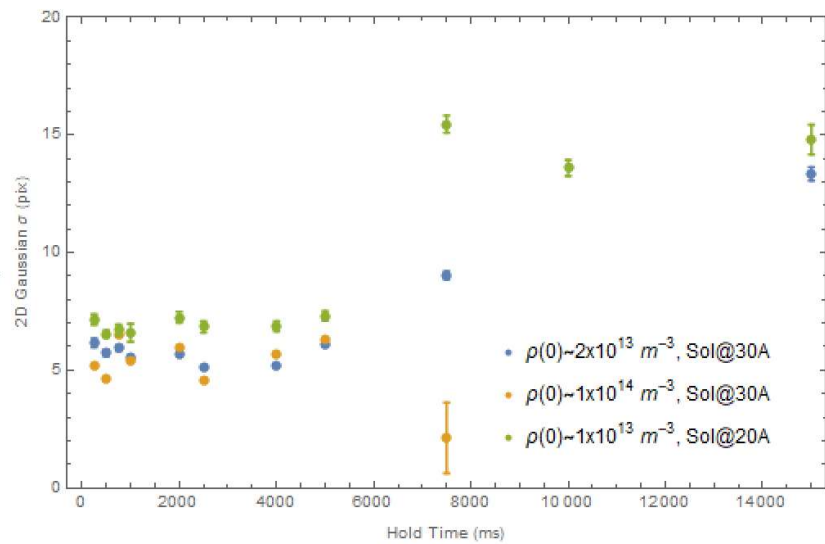
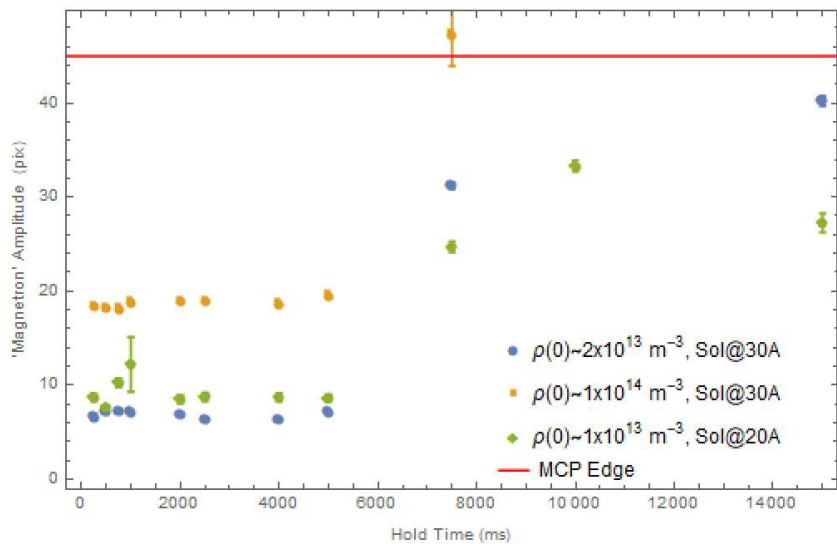
# LhARA WP3 weekly update

## Swansea Experiments

19<sup>th</sup> May 2022

C. Baker

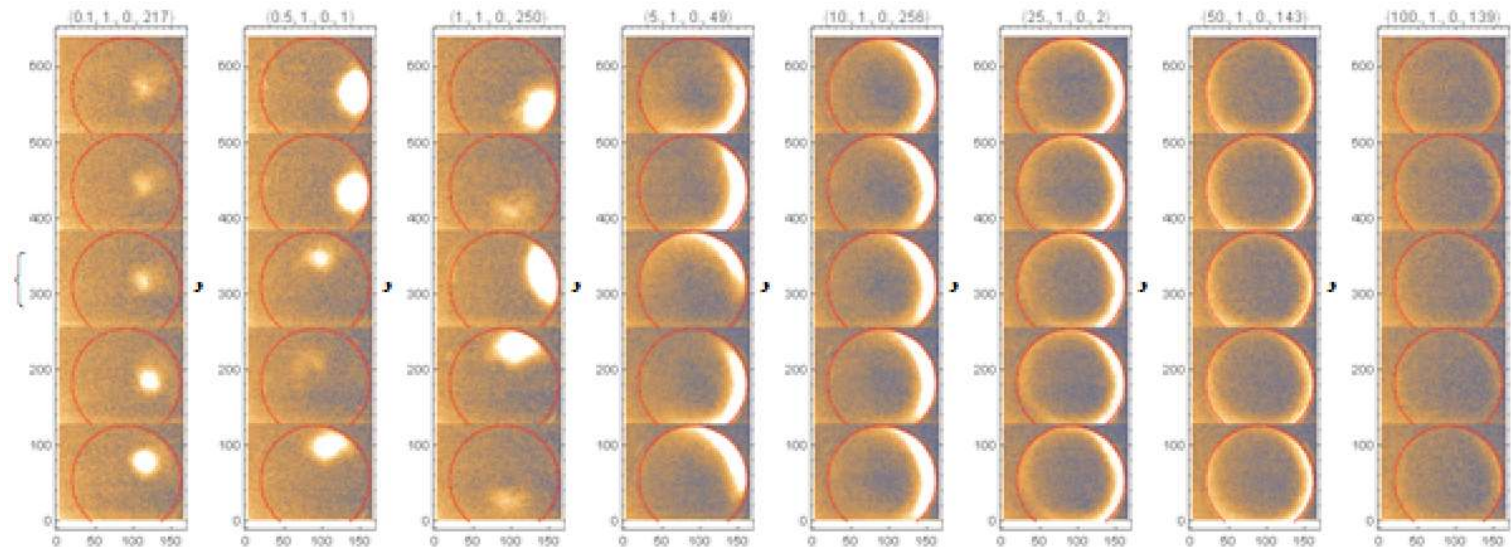
Electron lifetime / expansion data



Rotating wall

# Off-resonance (1MHz)

- Top: 0V drive



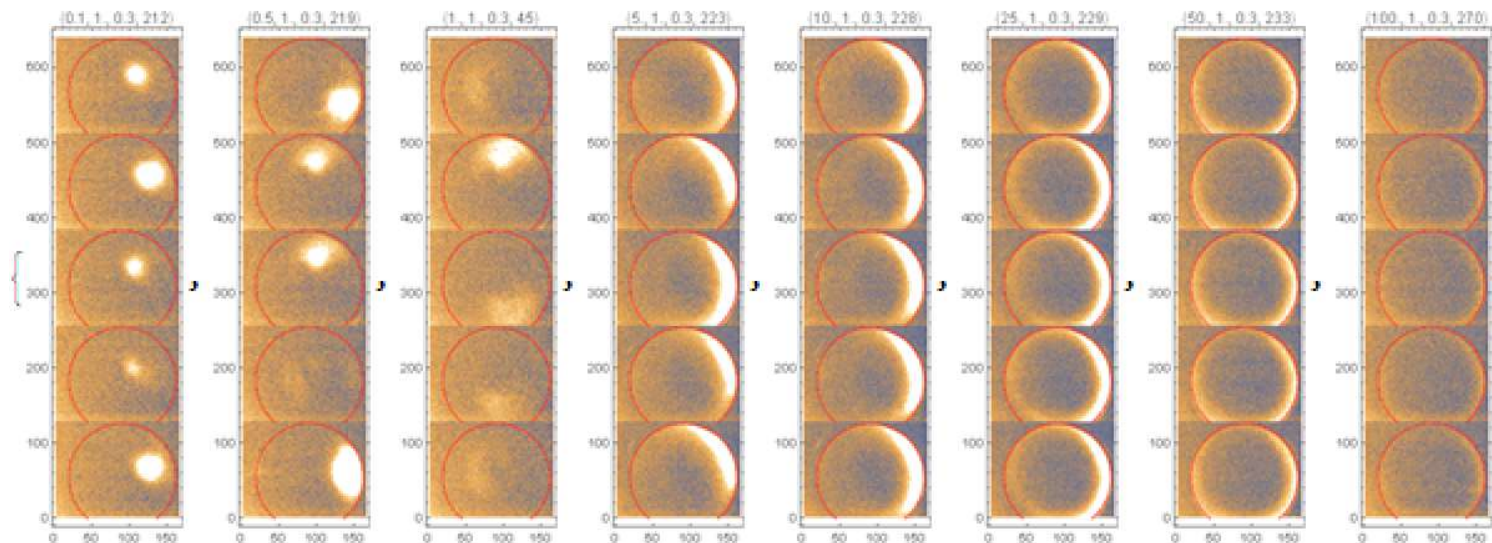
Hold time = 0.1s

1s

10s

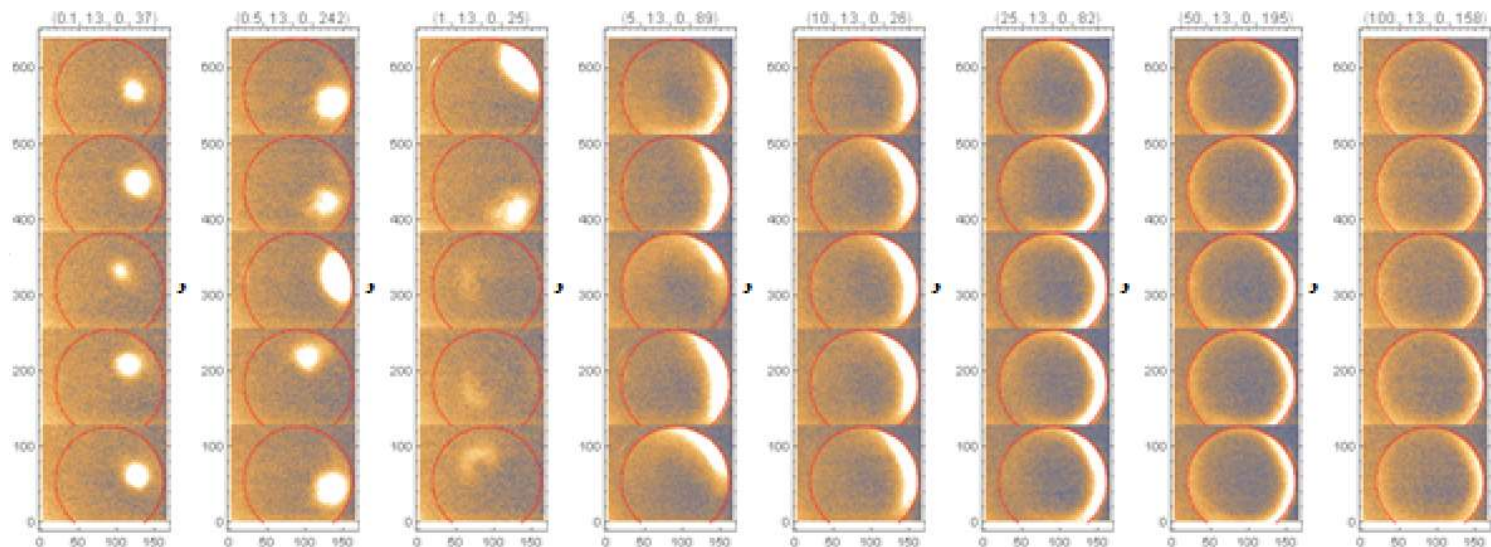
100s

- Bottom 0.3V drive



# Near-resonance (13MHz)

- Top: 0V drive



Hold time = 0.1s

1s

10s

100s

- Bottom 0.3V drive

