Pockels cell thoughts

Input to Pockels cell is at 45° to Ne axis (which means it’s also 45° to No axis 😉 )

In MATLAB simulation, adjusting Ne axis is equivalent to adjusting voltage over cell

This shows output varying from linearly polarised to circularly polarised

To align QWP:

1. find voltage which causes perfectly circularly polarised output
2. Set voltage to this, insert QWP
3. Rotate QWP until output is linearly polarised

Or

1. Find voltage which causes perfectly linearly polarised light
2. LEAVE ANALYSER IN THIS POSITION!
3. Set voltage to this, insert QWP
4. WITH ANALYSER IN POSITION FROM EARLIER!
5. Rotate QWP until output is maximised – this should be a linearly polarised output.

Check output of QWP is linearly polarised for all voltages now…