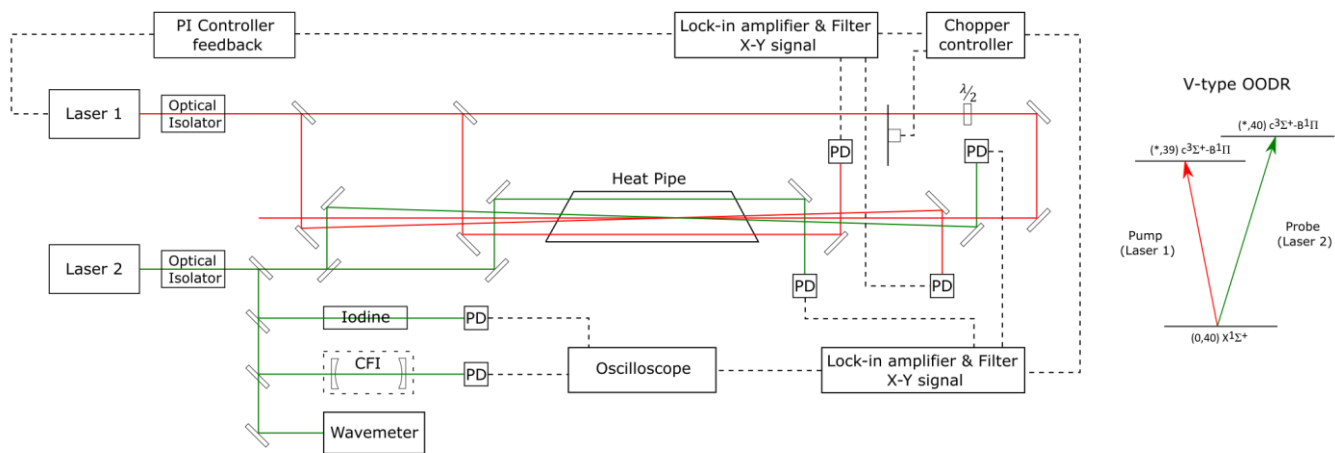




Investigation of the hyperfine structure of the $c^3\Sigma^+$ state in KRb

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Experimental setup for Saturation spectroscopy and for Optical-optical double resonance saturation spectroscopy

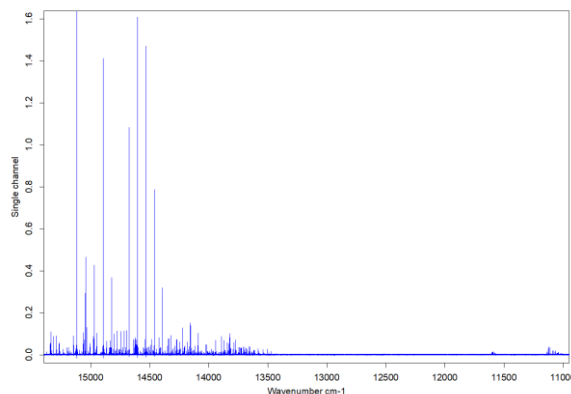
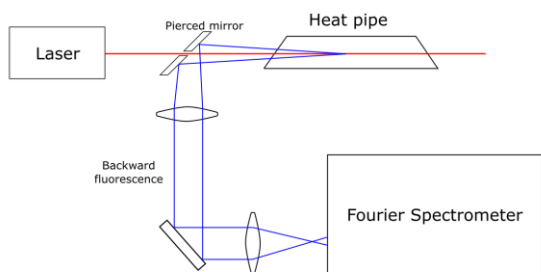


Results



- Advantages of OODRSS over Saturation spectroscopy:
- No crossovers.
 - Eliminating accidental overlapping with other lines.

Experimental setup and resulting spectrum with LIF spectroscopy



Future plans:

- To be measured several more hyperfine structures with OODRSS.
- To be found theoretical model for explanation of the observed spectra.