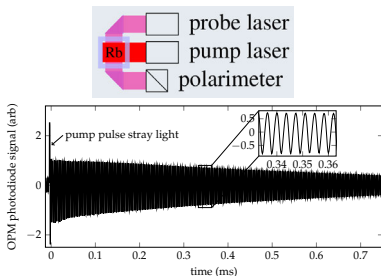


## Optically Pumped Magnetometer modeling and signal processing



Depending on your interests and skills

- ▶ quantum mechanical magnetometer simulation (ADM – Mathematica / QuTip – Python)
- ▶ real time, high precision frequency estimation using FPGA / GPU
- ▶ own ideas are welcome

Magnetic field is read out by frequency counting:  $|\vec{B}| \propto \text{frequency}$

## Kontakt

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