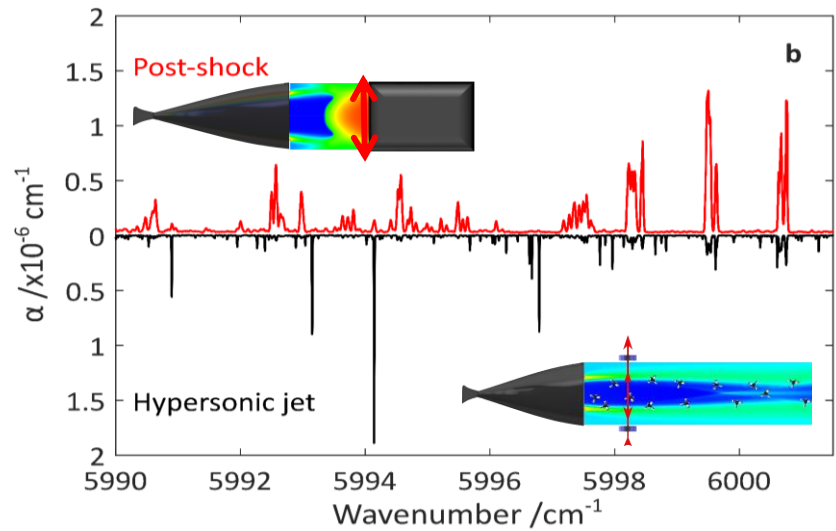
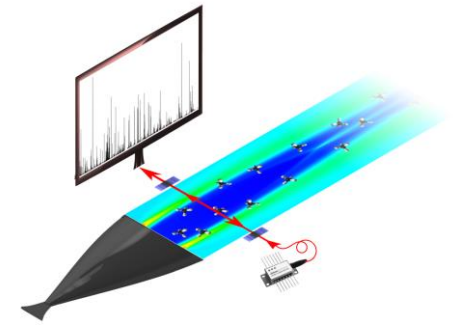


HIGH-TEMPERATURE HYPERSONIC LAVAL NOZZLE FOR NON-LTE CAVITY RINGDOWN SPECTROSCOPY



cw-CRDS

- fibered DFB diode lasers - tunable by temperature
- IR range: 1.4 – 1.7 μm
- High-finesse cavity ($F > 200\,000$)
- Typical RD: 200 μs
- Equivalent absorption pathlength 0.9 – 1.7 km
- High-resolution: $\sim 10^{-4} \text{ cm}^{-1}$
- Alpha min: $3.3 \times 10^{-11} \text{ cm}^{-1}$

