

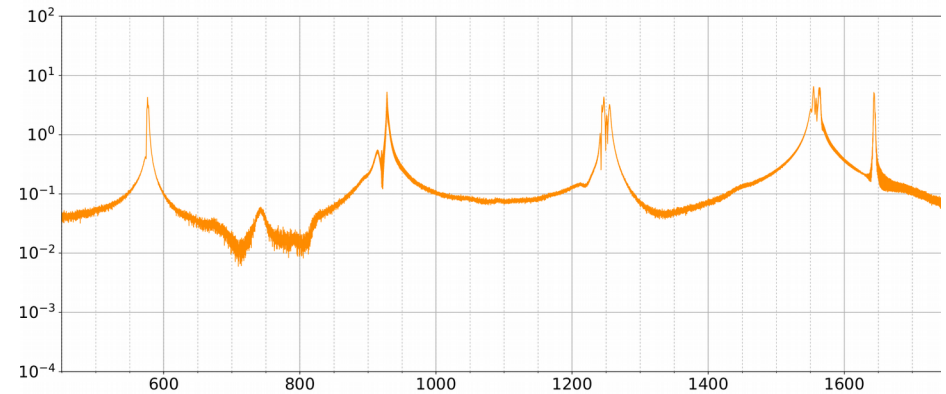
## A new non-invasive method of tracking of a flow (3D3C in time)?



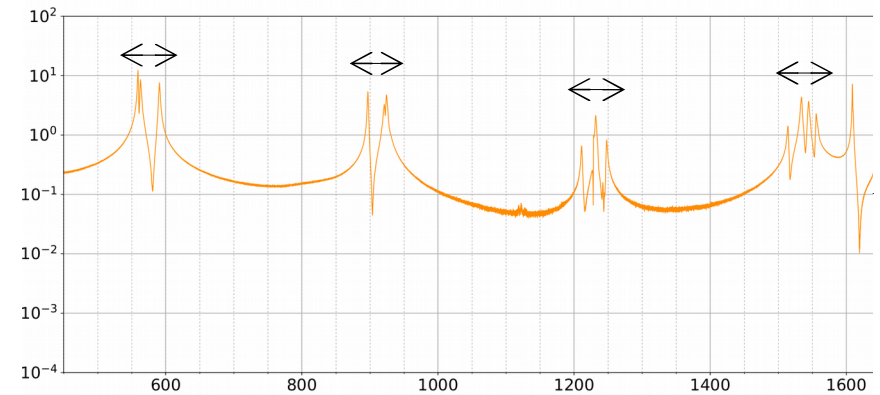
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### Acoustic eigenmodes



↓ + flow !

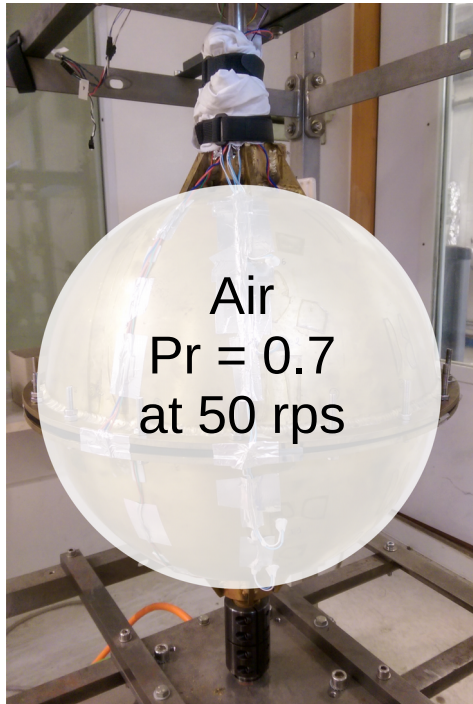


### Inversion of the flow

from spectra changes  
(shiftings, splittings, ...)



*Inspired by Asteroseismology*



+ Heating!

~~PIV~~  
~~UIV~~  
~~LIF~~  
~~Smoke~~



Modal acoustic velocimetry

Non-invasive

No tracers

2D measures for 3D image

Why air?

Geophysical applications

