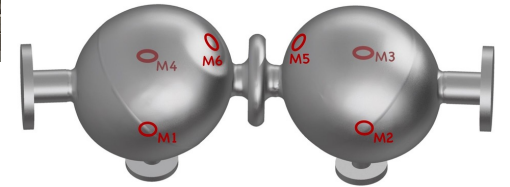
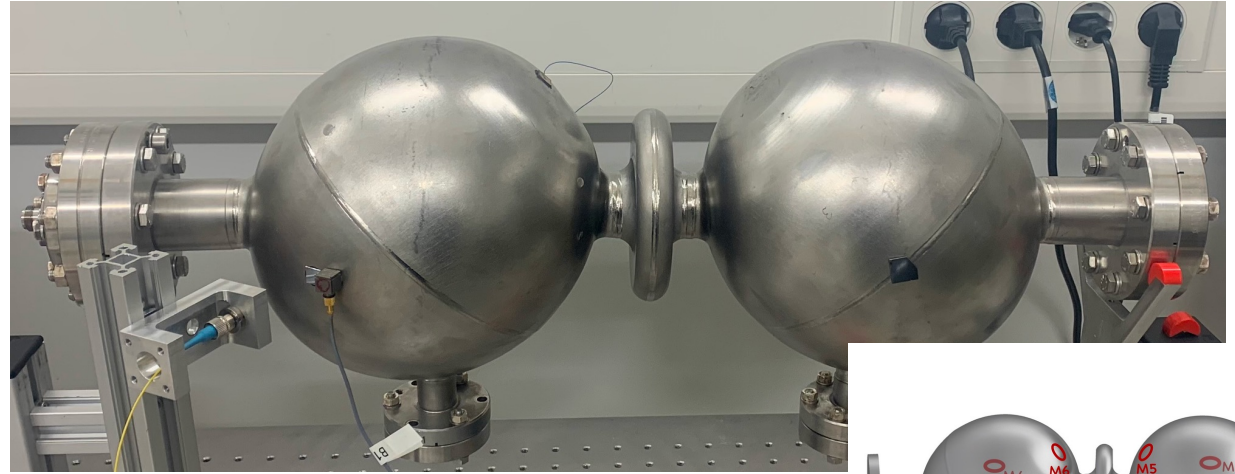


Measurements on the Cavity



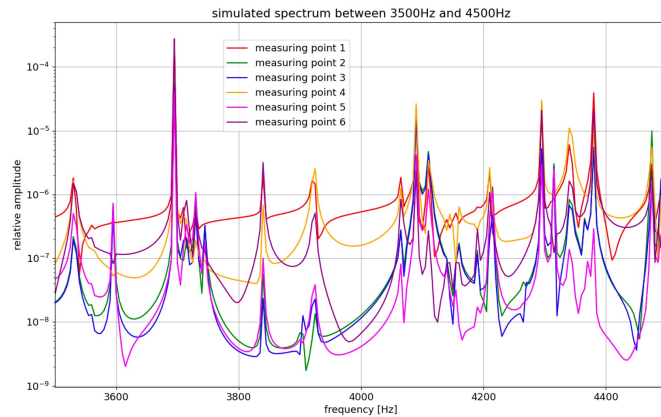
VS.



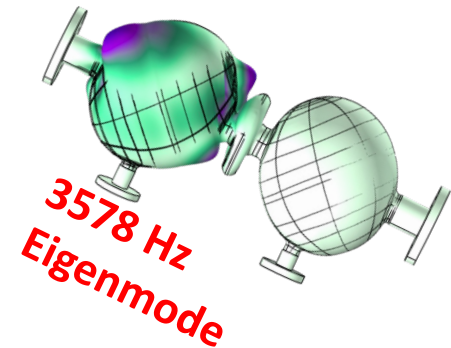
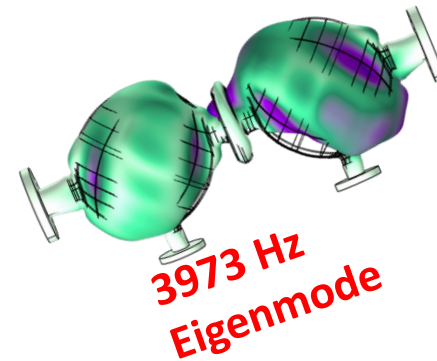
2 Simulations with the measured
CAD - Data



Frequency domain

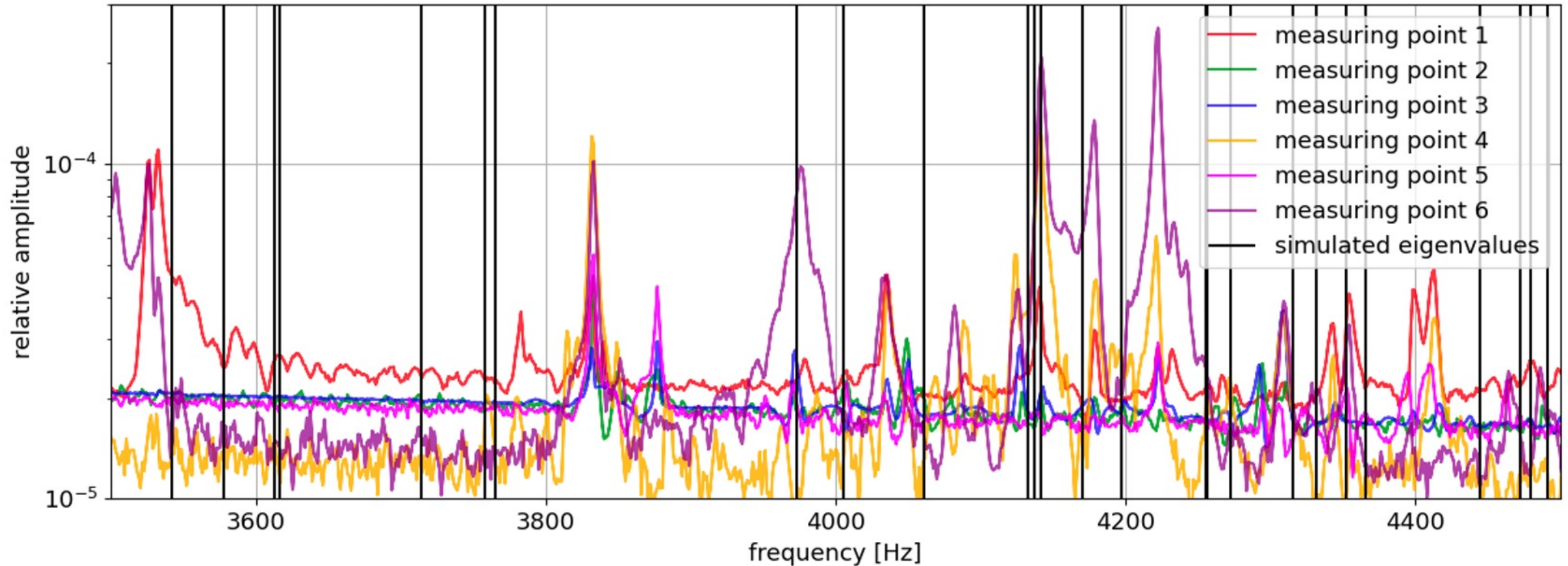


Eigenmodes



Eigenmode simulations

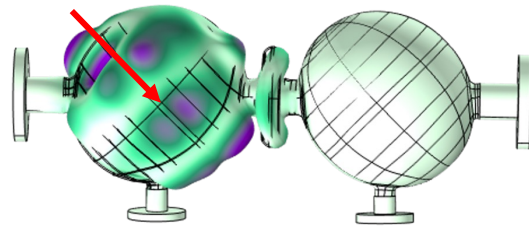
Averaged spectra of all measuring point compared to simulated eigenvalues



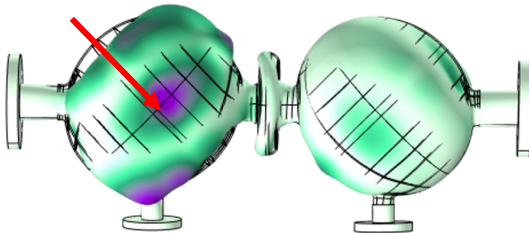
The 3D-model has a constant wall thickness of 1.8mm -> The real eigenmodes could be shifted.

Detective work comparing measurements with simulated EMs

e.g. M1:

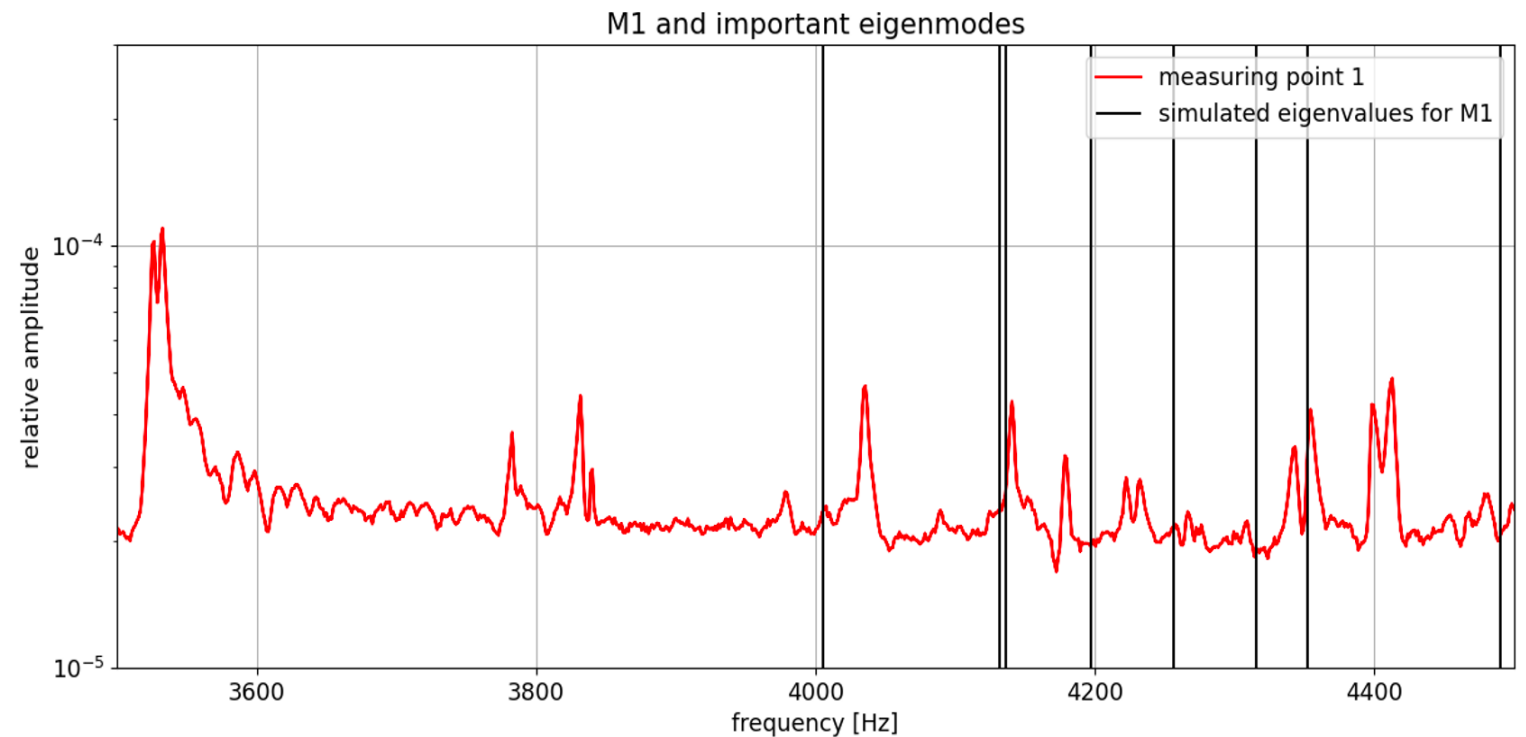
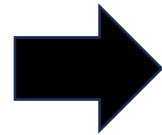


4197 Hz Eigenmode



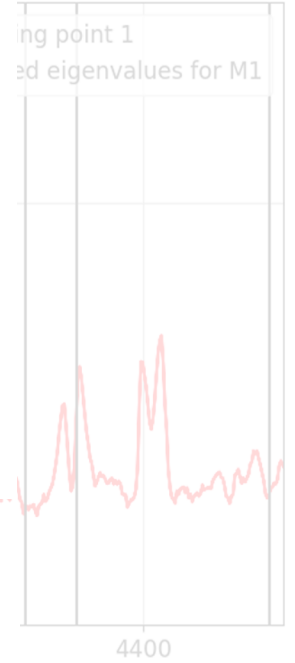
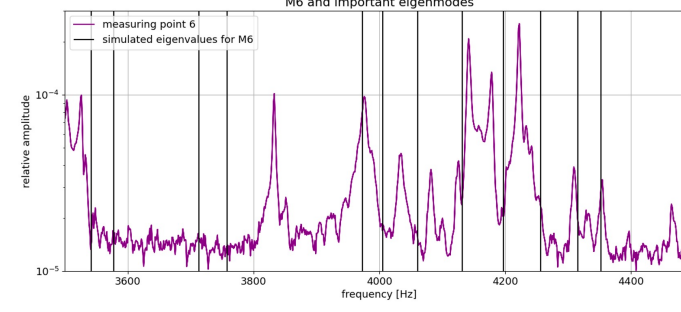
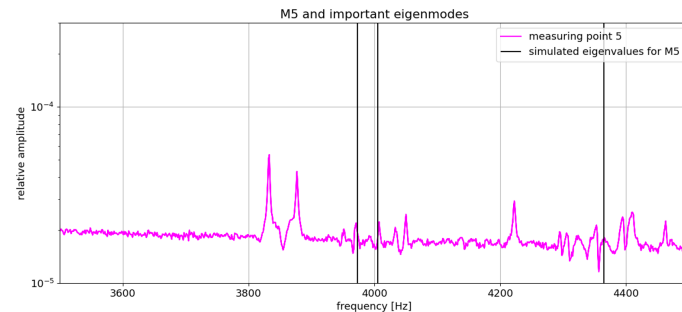
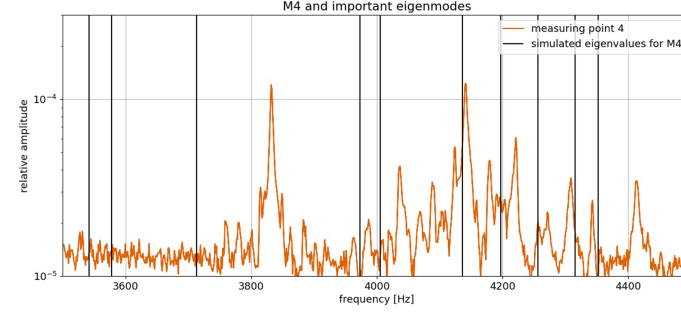
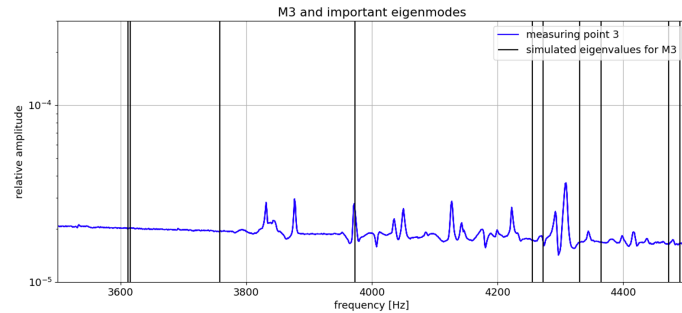
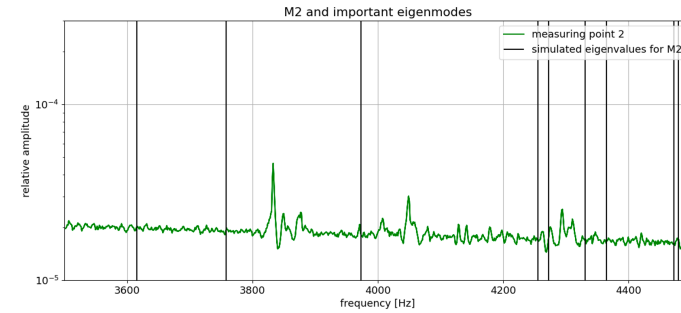
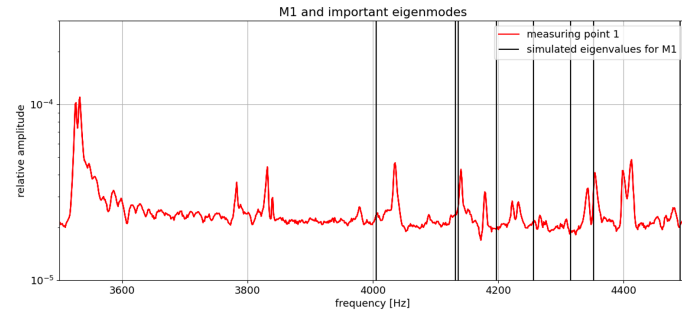
4256 Hz Eigenmode

Example of interesting
eigenmodes for M1



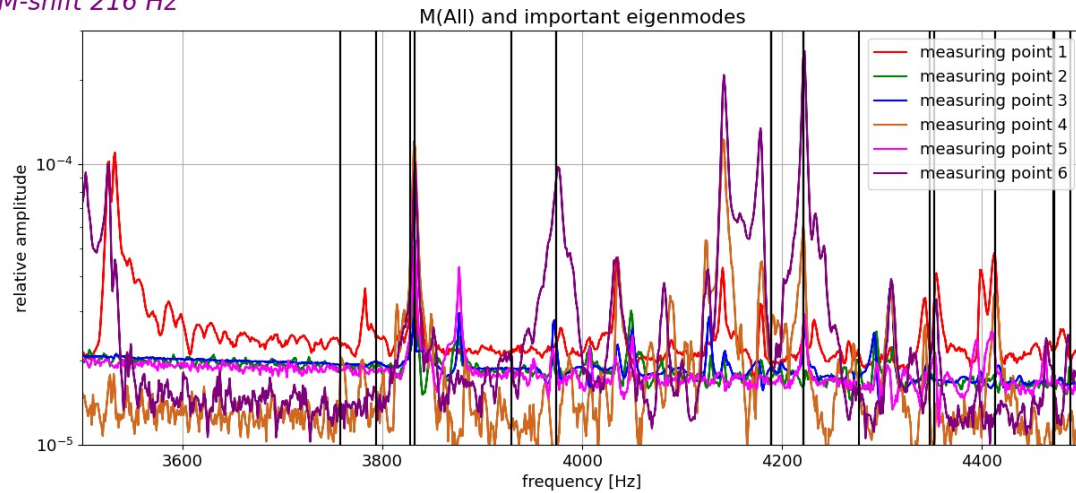
Detective work comparing measurements with simulated EMs

e.g.

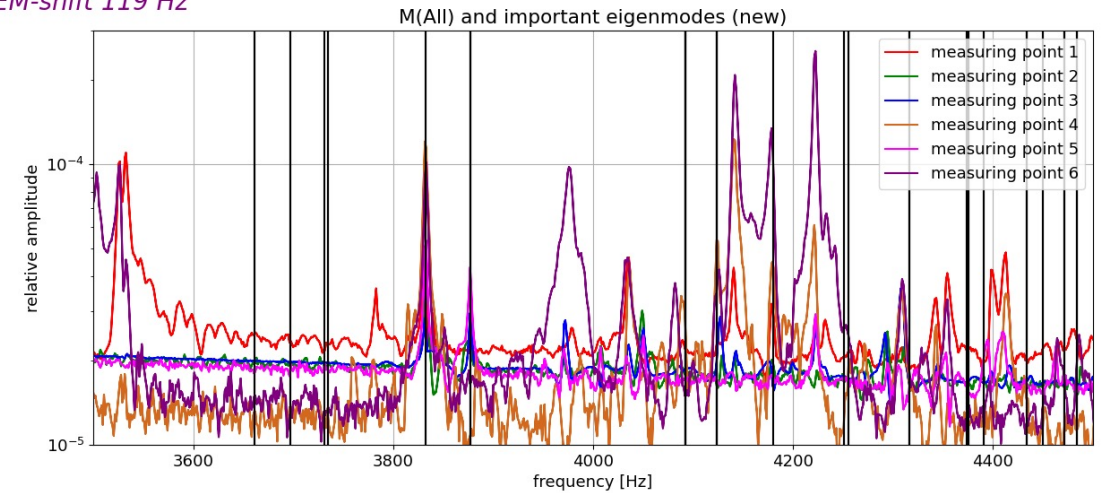


Interesting mode shifts

EM-shift 216 Hz



EM-shift 119 Hz



EM-shift 74 Hz

