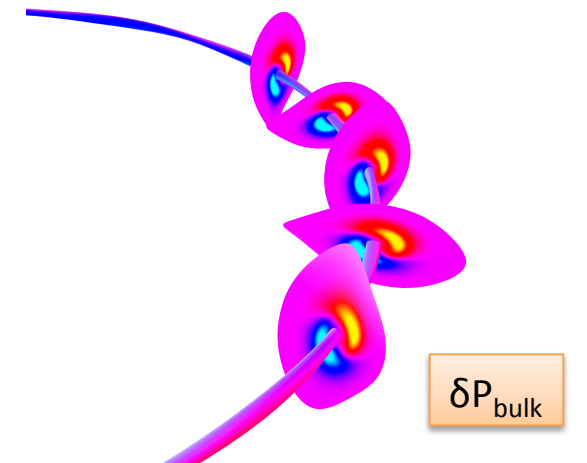
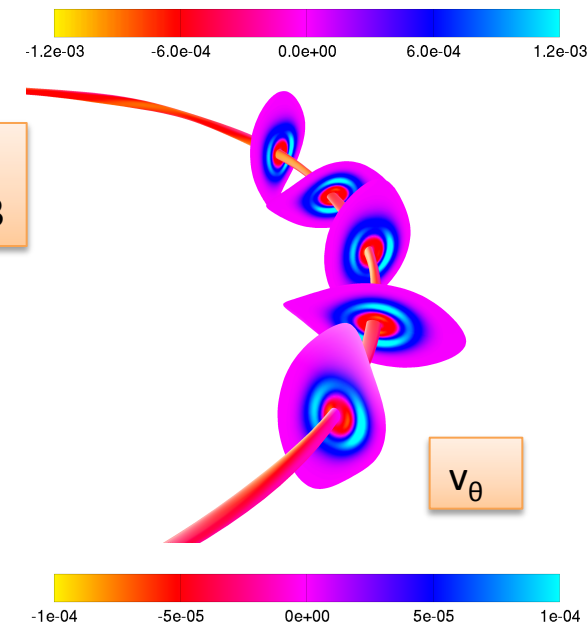
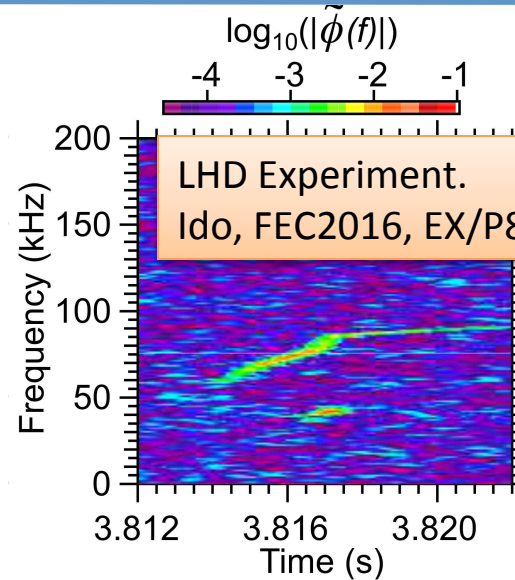
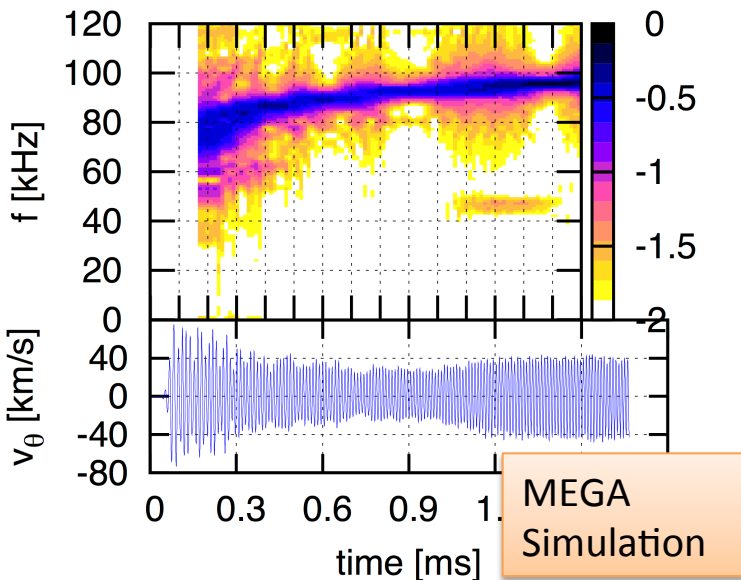


Simulations of Energetic Particle Driven Geodesic Acoustic Mode in 3-dimensional LHD Equilibrium

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- ❖ The first simulations of EGAM in the realistic 3-dimensional LHD equilibrium using MEGA code.
- ❖ The frequency chirping of primary EGAM and the excitation of half-frequency secondary mode observed in the experiment are reproduced.
- ❖ The low-frequency secondary mode is found to be another EGAM with energetic particle pressure oscillating in the opposite phase to the bulk pressure.