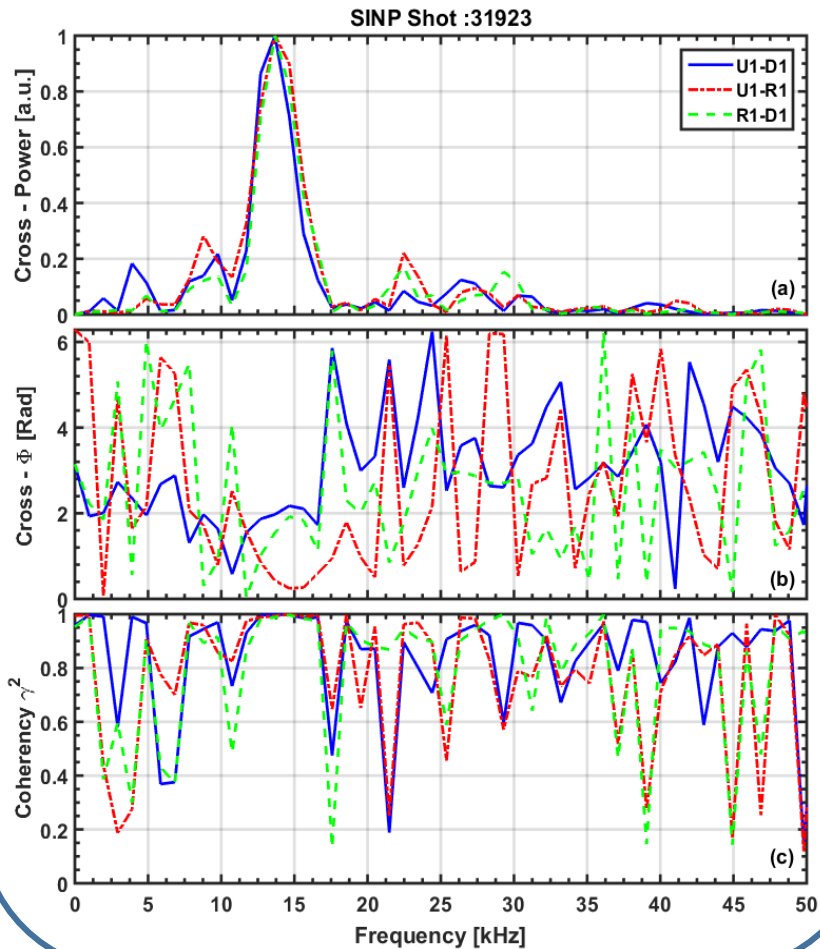
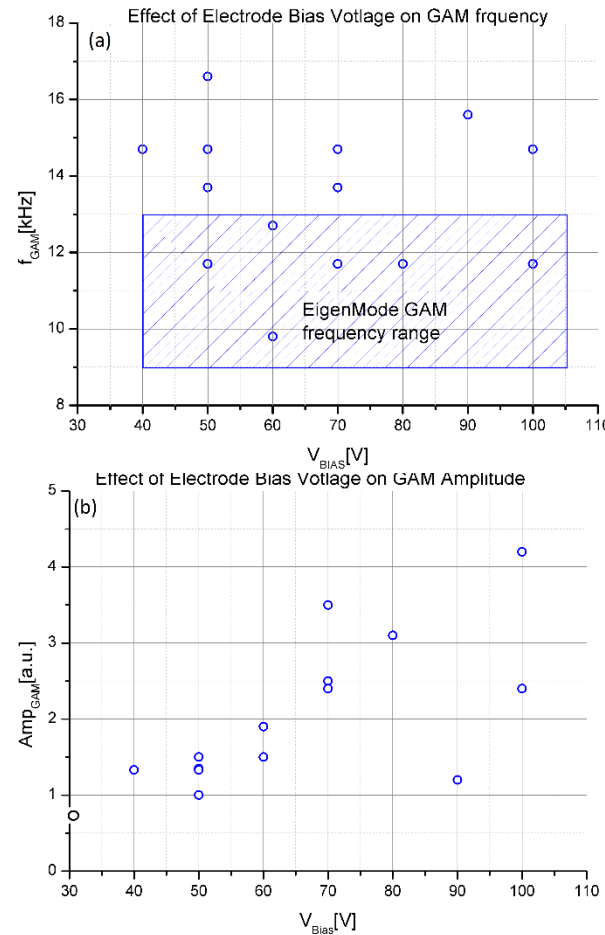


Effect of Externally Applied Radial Electric Field (Biased Electrode) on Geodesic Acoustic Modes in SINP Tokamak

Observation of GAM-like mode ~14kHz in 70V Bias Electrode at SINP tokamak



Effect of Bias Voltage on GAM Frequency and Amplitude



- Observation of GAM like mode in small tokamak SINP even at Very Low Q_{edge} discharge shall shed new light on physics of GAM & ZF
- Increase in mode frequency (f_{GAM}) suggests towards improved confinement time and effective increase in stored energy (T_e) and poloidal flow
- Prominent effect of bias voltage (E_r) on mode amplitude is interesting
- It suggests an important role of E_r towards improved confinement and L-H transition