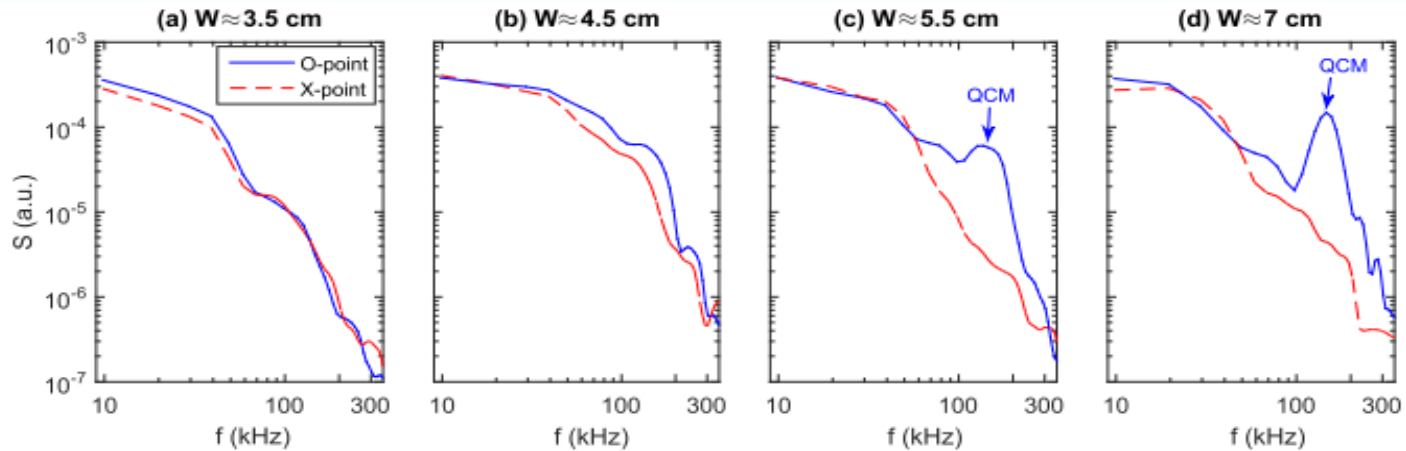
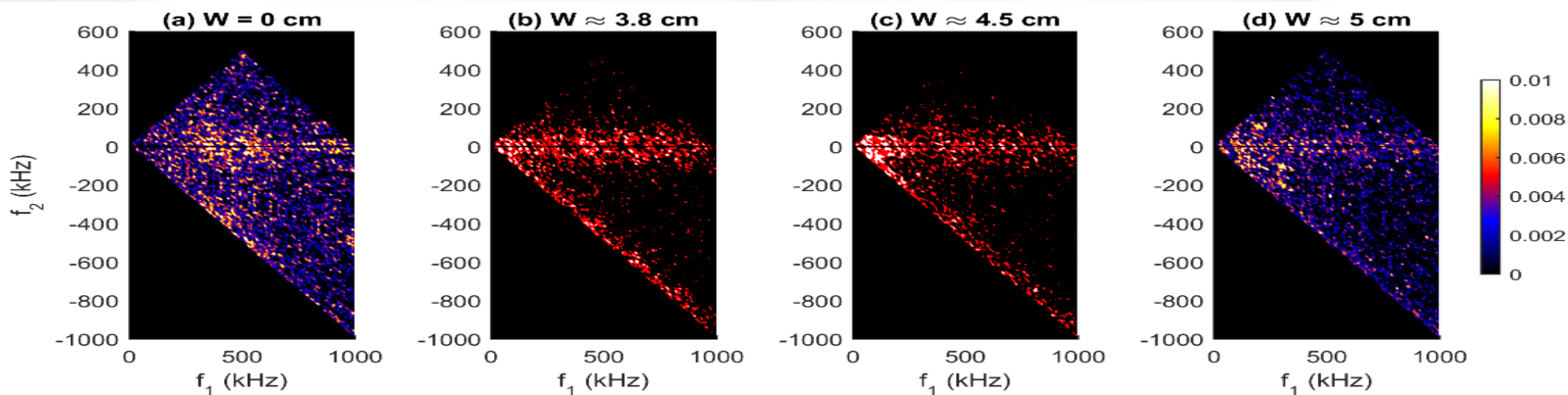


Naturally rotating islands



- QCMs are excited during O-point passing-by times outside the large island region (∇T_e steepened), and its amplitude increases with island size.

RMP-induced static islands



- At certain island size (e.g., $W \approx 3.8$ and 4.5 cm) the nonlinear coupling among ambient turbulence is considerably enhanced through the inverse energy cascading from high frequency to low frequency (<100 kHz).