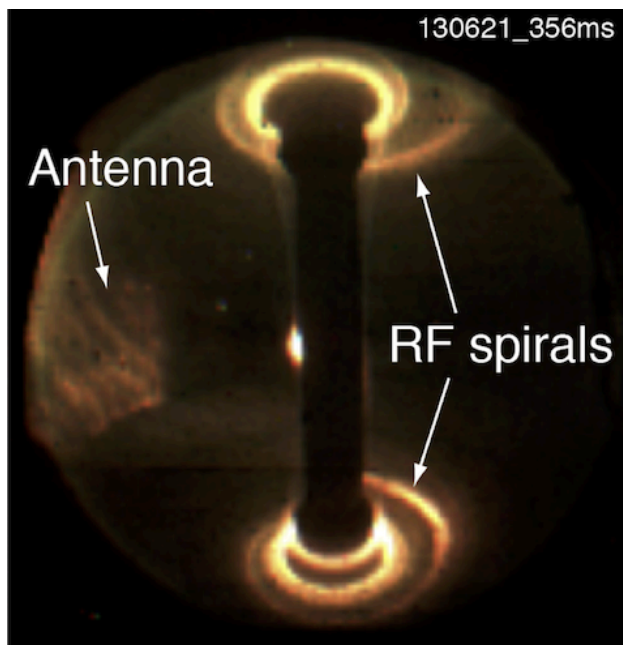
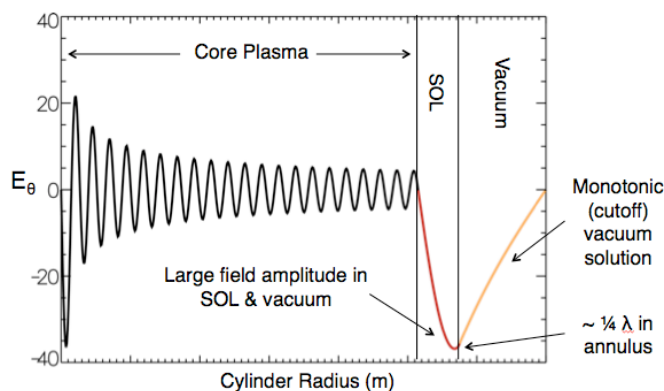


A two-step mechanism for explaining the SOL losses of HHFW power on NSTX

- SOL losses of NSTX are a serious operational issue for NSTX
 - Lead to “heat spirals in divertor
 - With 20 MW of ICRH on ITER, could lead to issues there



- We propose a two-step explanation
 - Special modes identified in cylindrical geometry with enhanced RF fields in edge
 - suspect similar modes exist in ST geometry,



- RF rectification, observed in divertor of NSTX, is converting wave power into spiral heat flux

