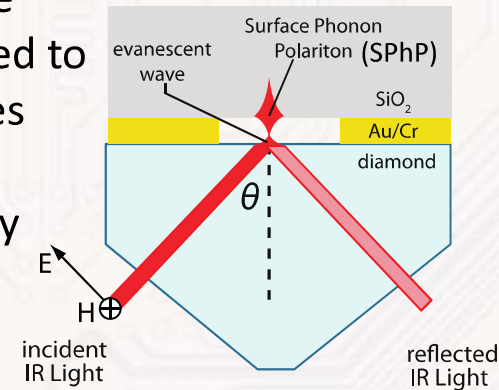


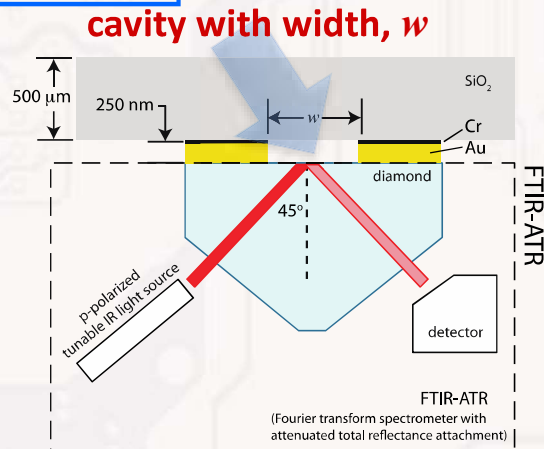
Theory

- Crystal lattice surface waves (SPhP) confined to nanoscale geometries
- Confinement strongly dependent on thermodynamic properties

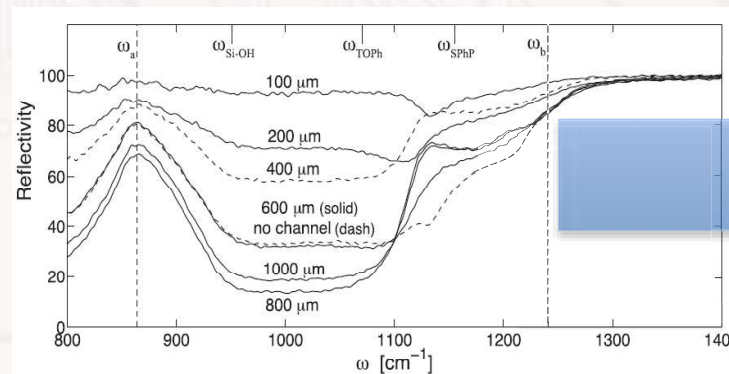


- Temperature sensors and thermal flow control
 - submicron resolution
 - Thermal response tunable
- Theory and Experiment

Experiment



light intensity vs. frequency and w



light lifetime inside cavity vs. w

