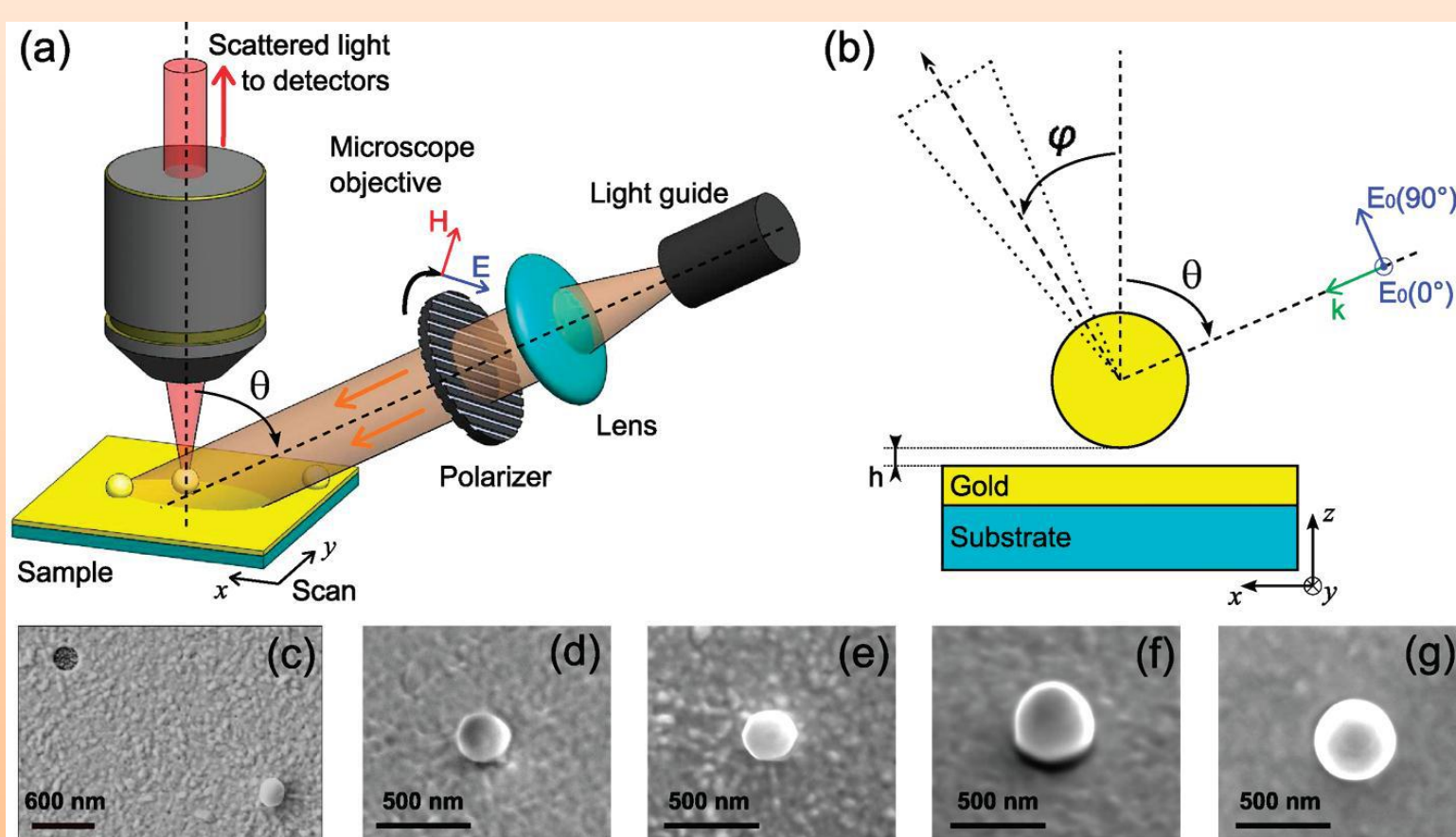


Nanophotonics at the quantum regime

I. Motivation & Introduction

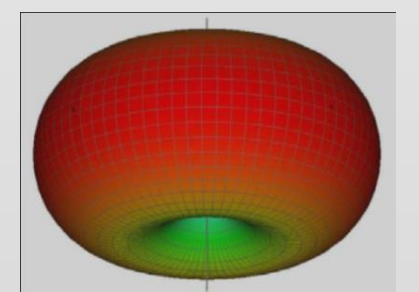
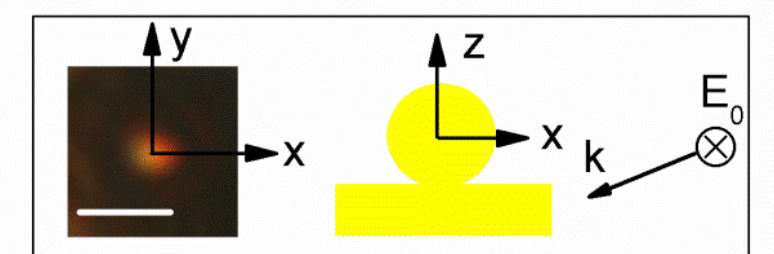
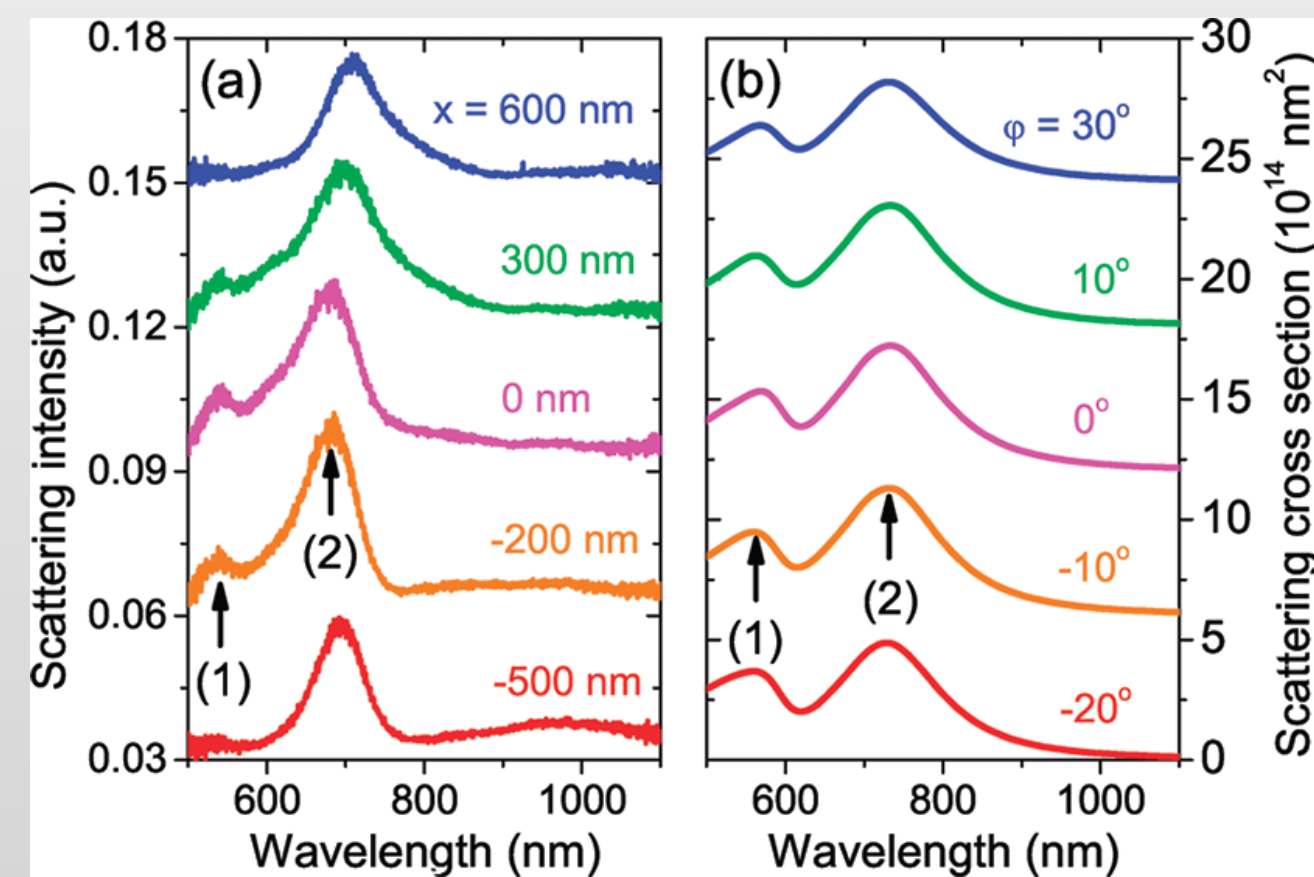
- Revealing the quantum regime of plasmonics using transformation optics.
- Plasmonic hybridization of localized surface modes at small length scales.
- Mode transition with polarization and directional radiation properties.

II. Experimental setup

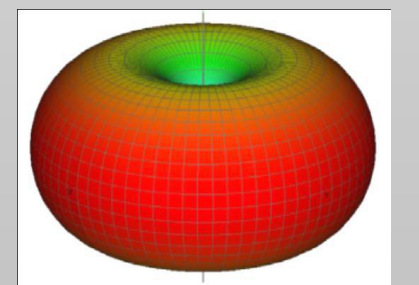
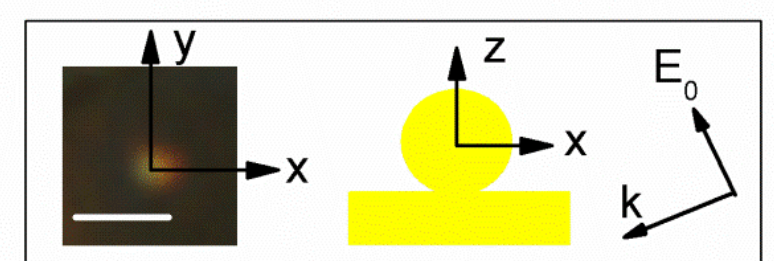
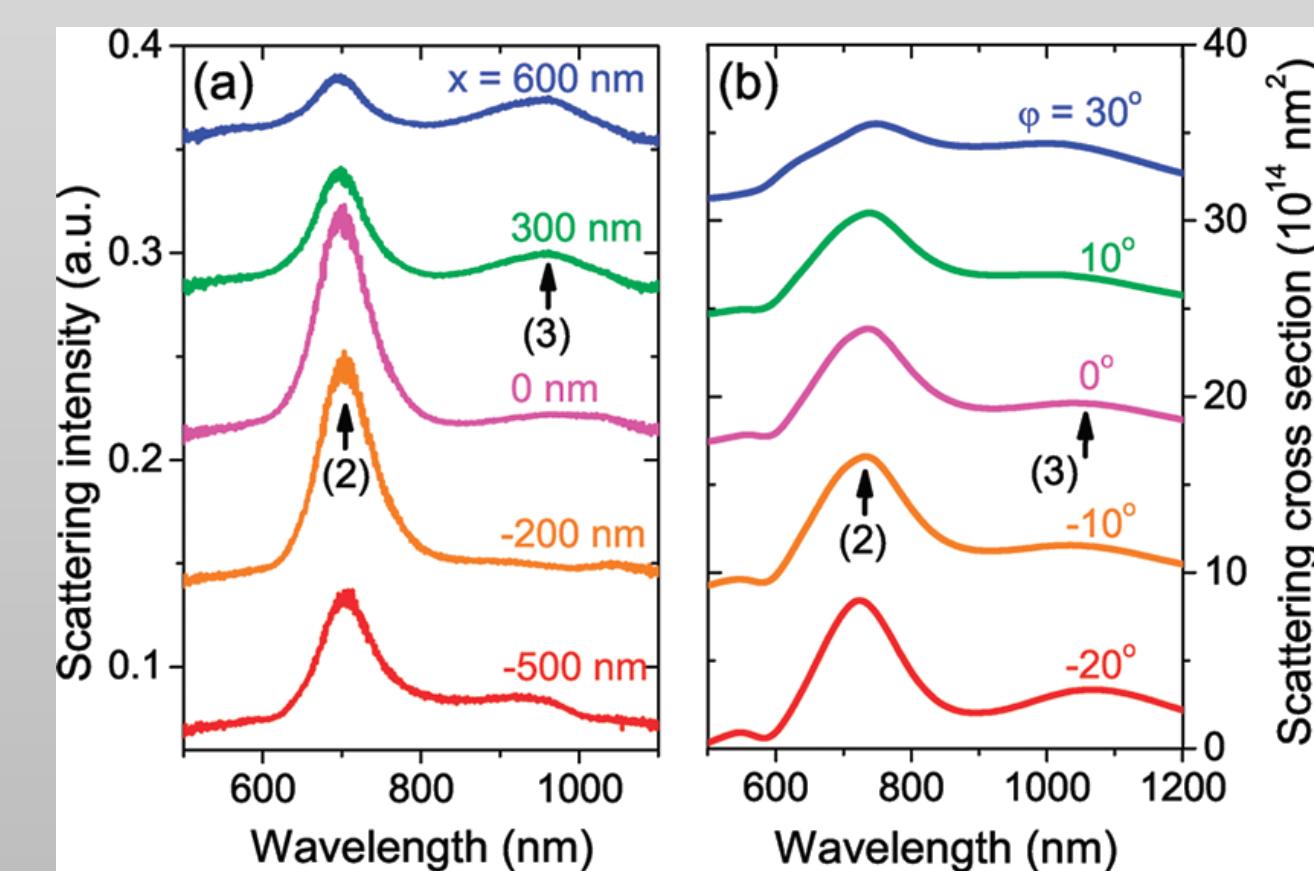


Two different particle-film configurations

VI. Directional radiation

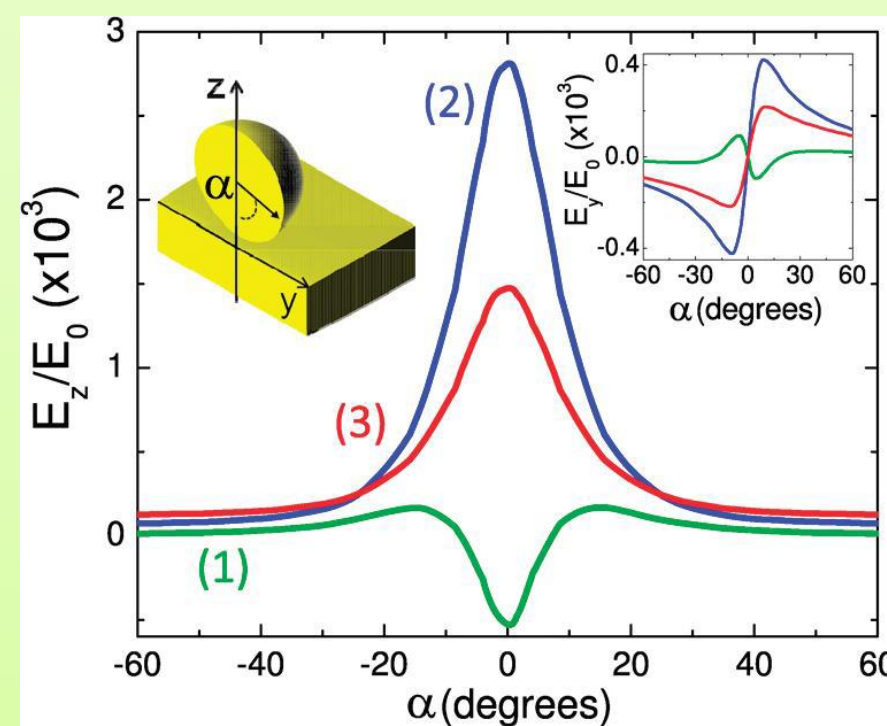
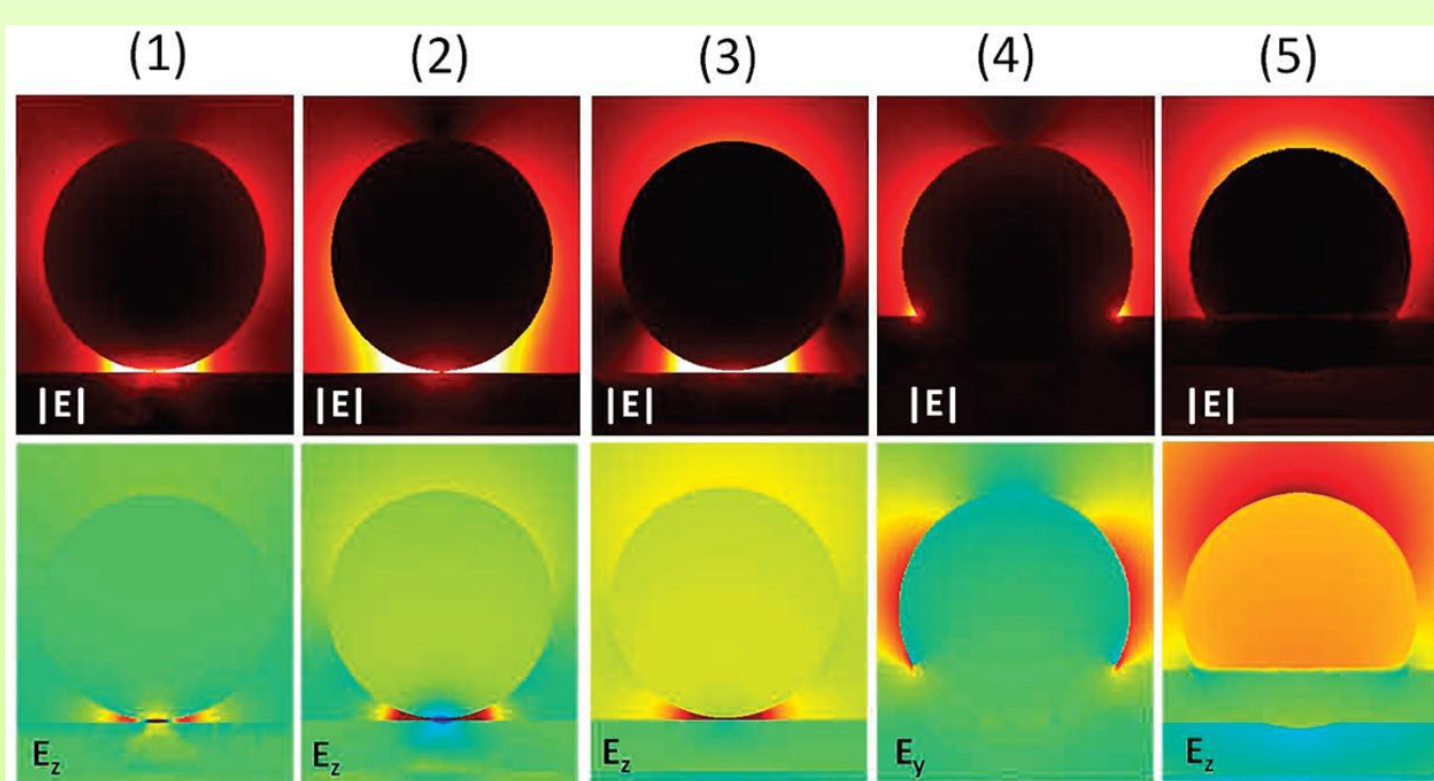
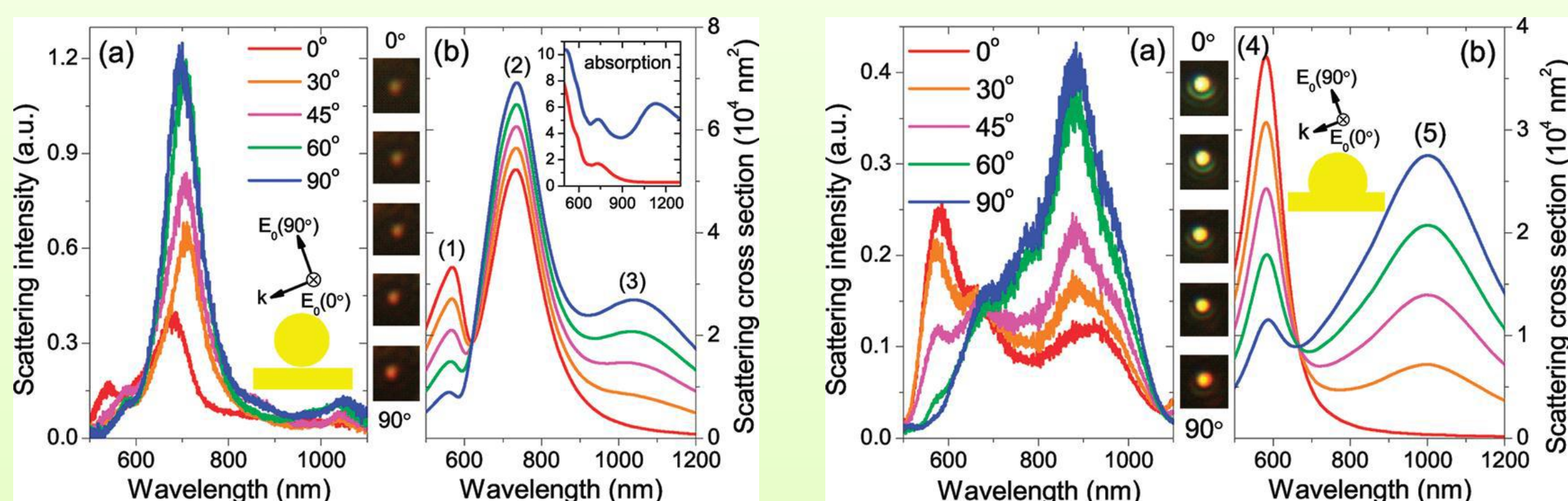


Doughnut-like dipole radiation along y

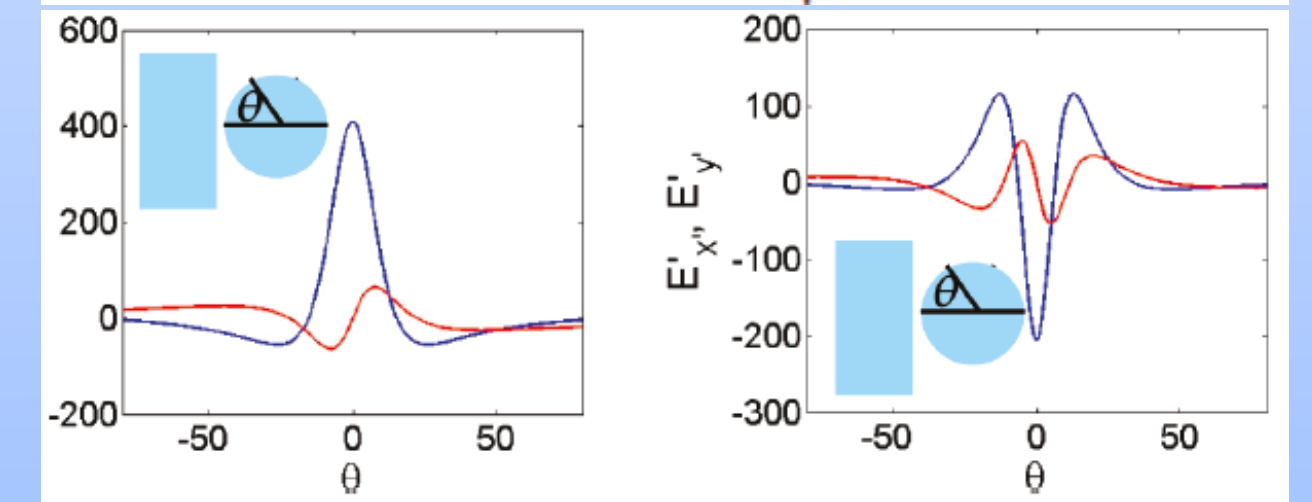
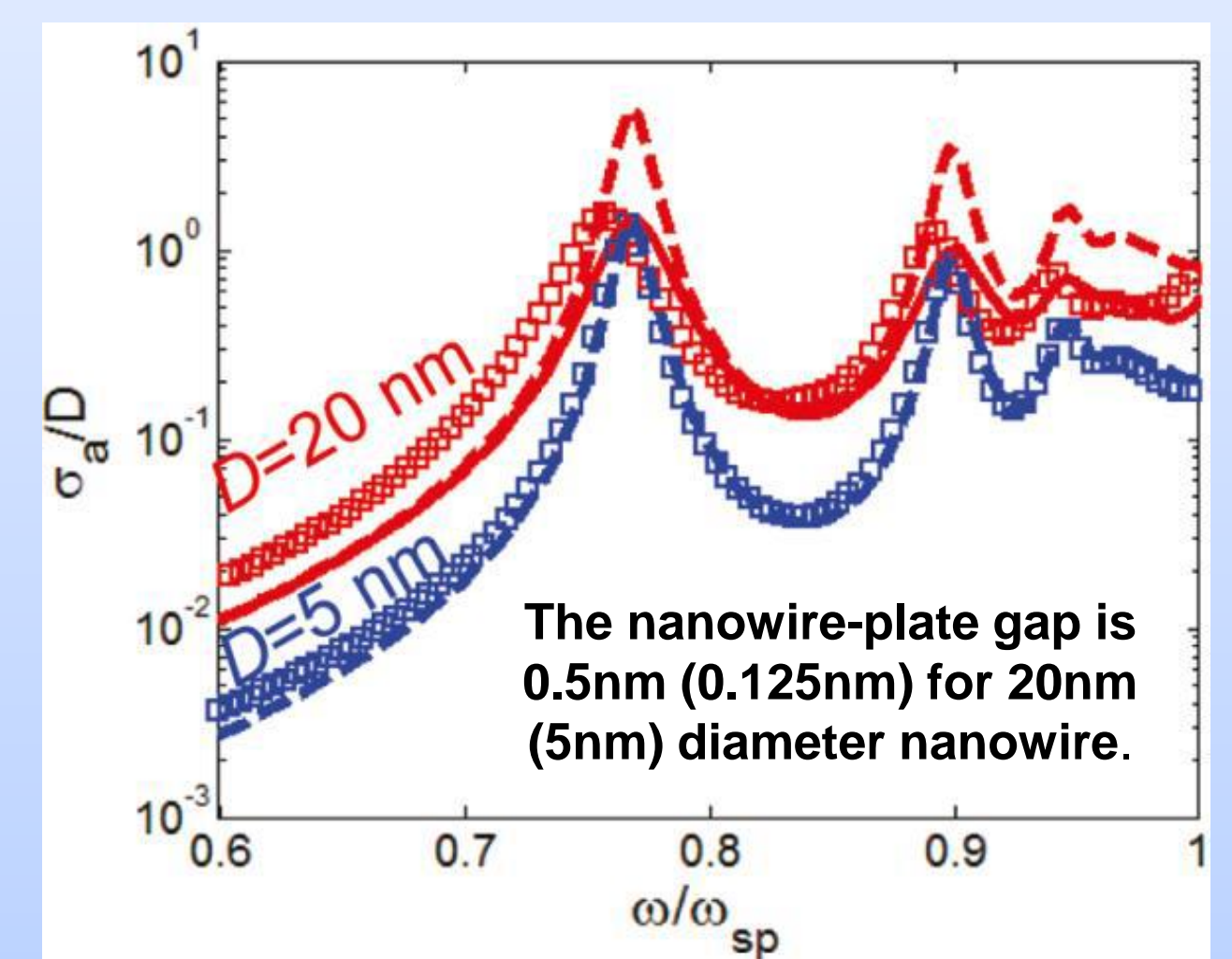


Toroid-like dipole radiation along z

III. Polarization dependent responses



V. Transformation Optics



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