



Near-field optics

3. Near-field optics

3.3 Photon scanning tunneling microscopy

3.4 Scanning near-field optical microscopy : Methodology

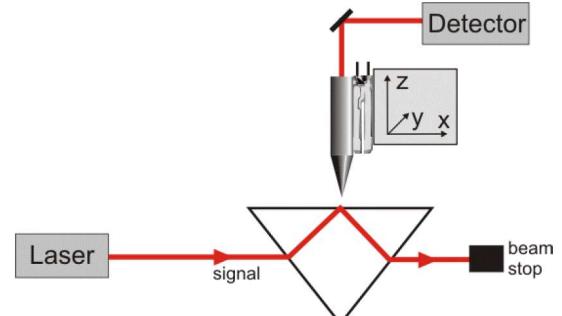
- 3.4.1 Probe concepts and fabrication
- 3.4.2 Surface distance control
- 3.4.3 Optical characterization
- 3.4.4 Artifacts

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„Photon-Tunneling“-Microscopy

PSTM = *Photon Scanning Tunneling Microscopy*
 STOM = *Scanning Tunneling Optical Microscopy*

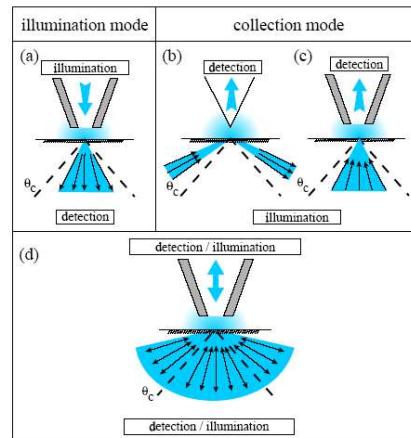


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B. Hecht, Nano optics



Transmission Setups

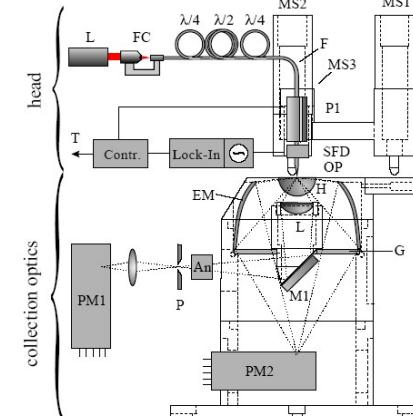


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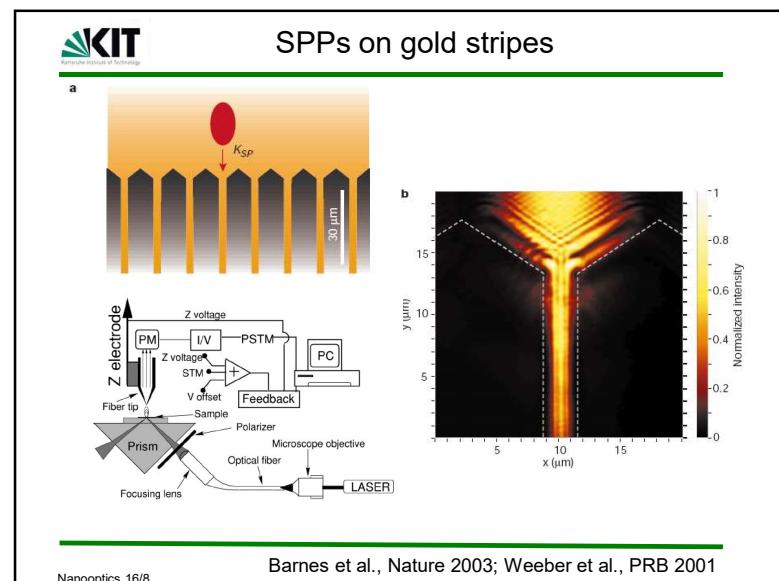
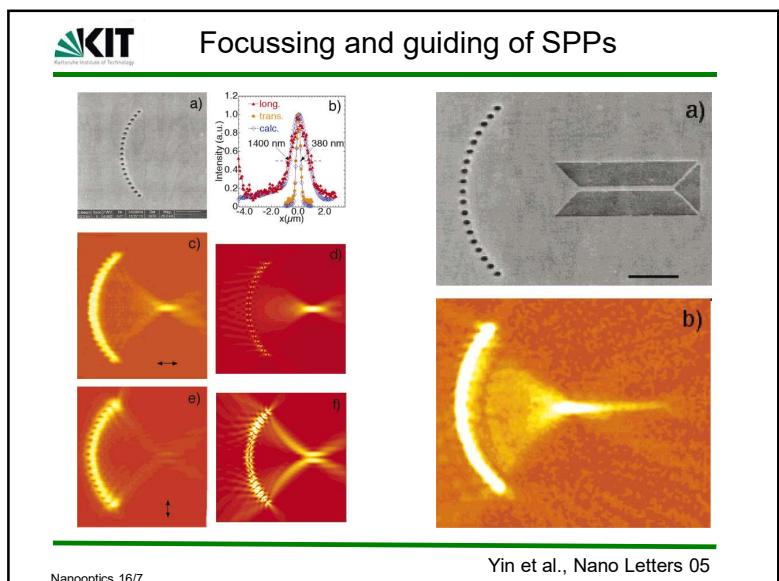
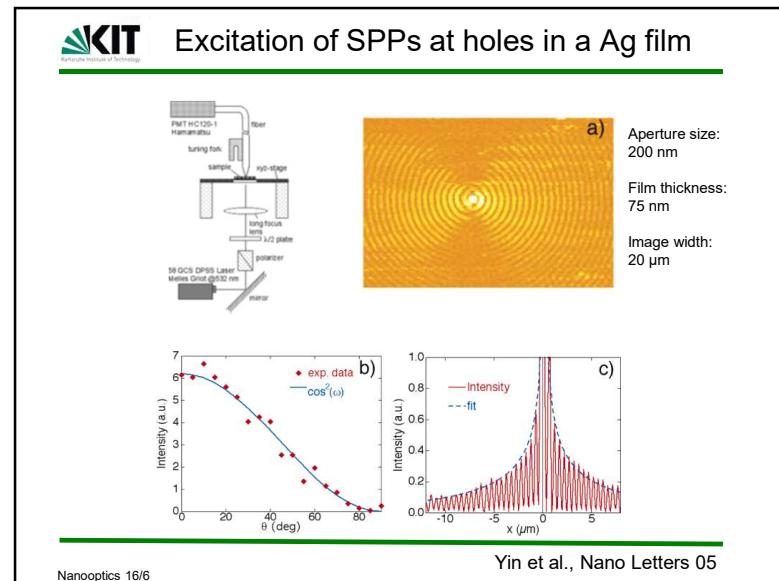
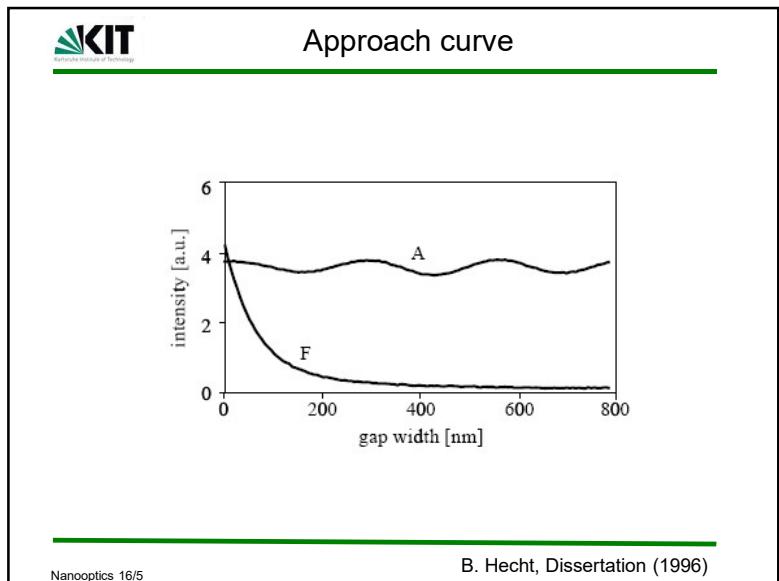


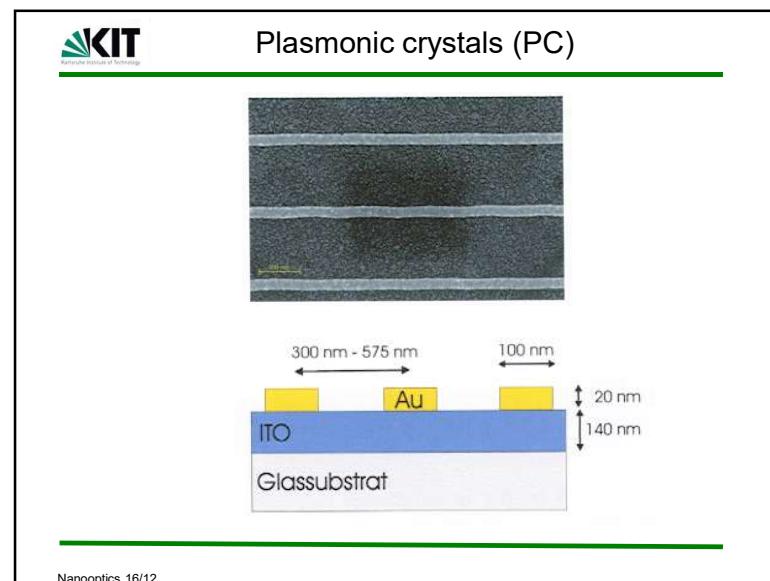
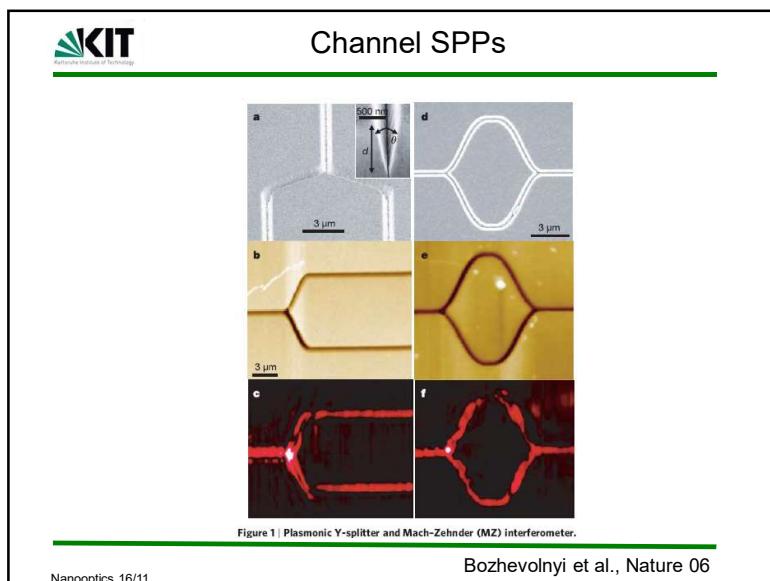
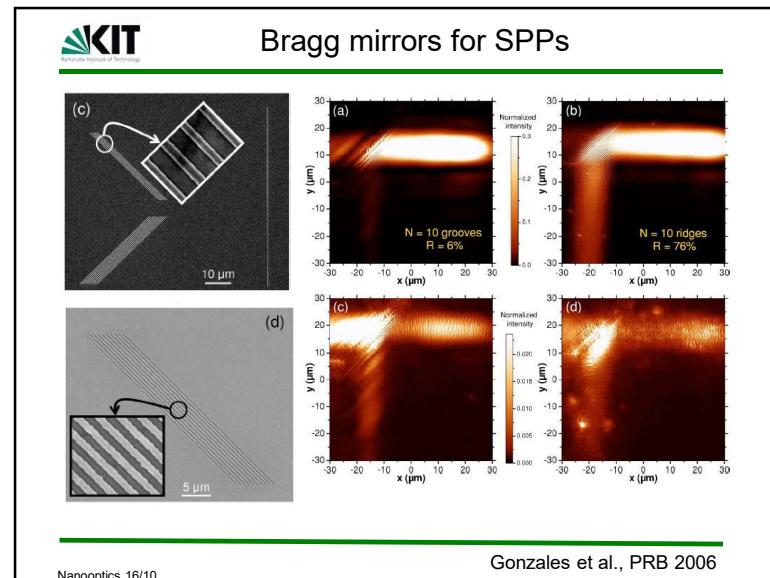
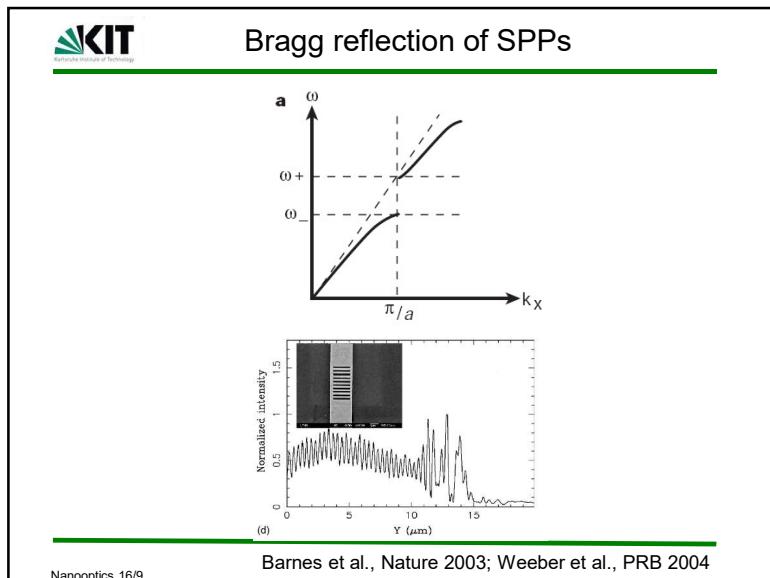
PSTM

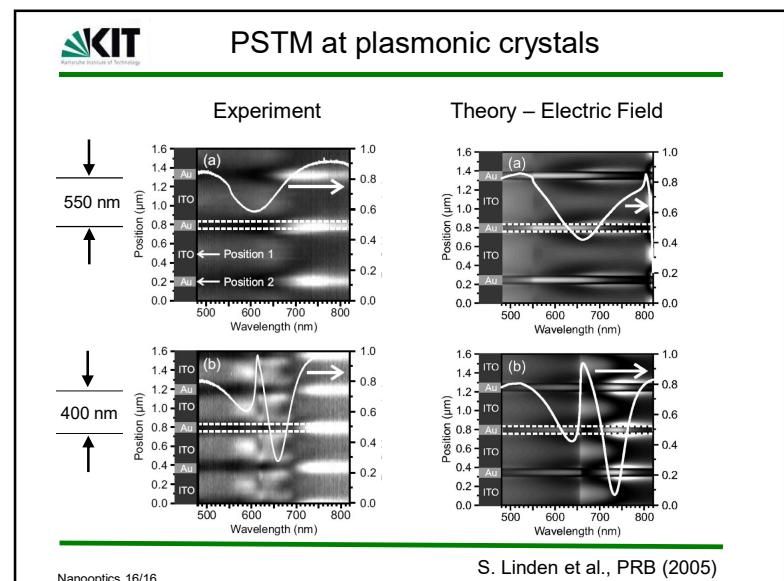
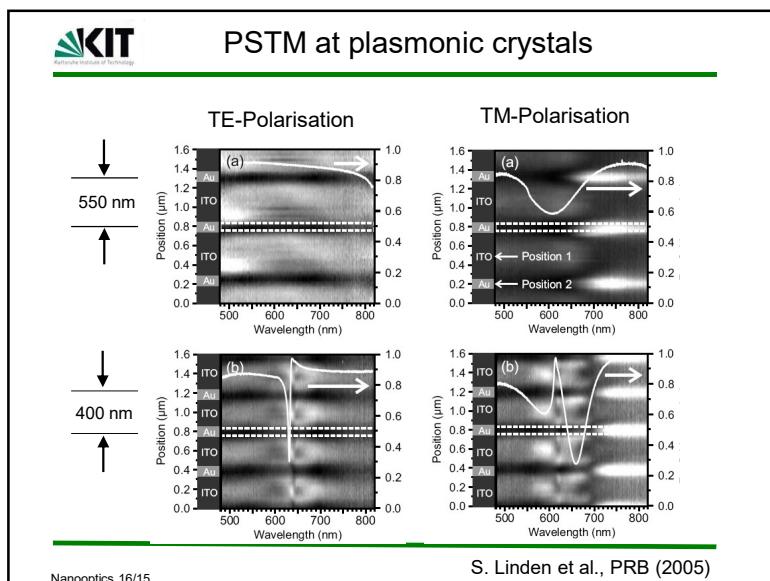
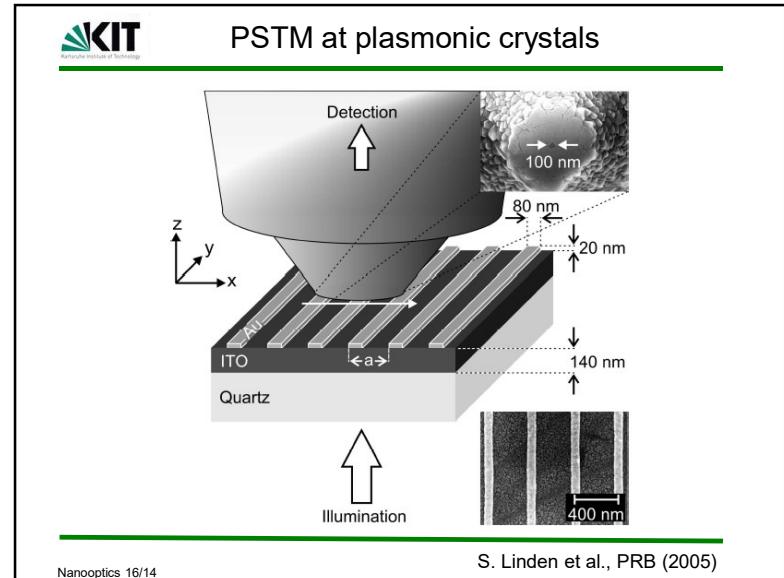
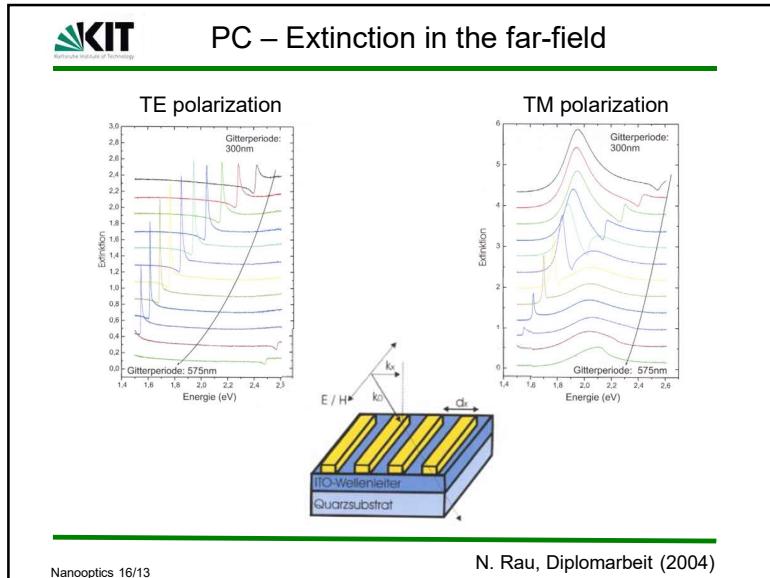


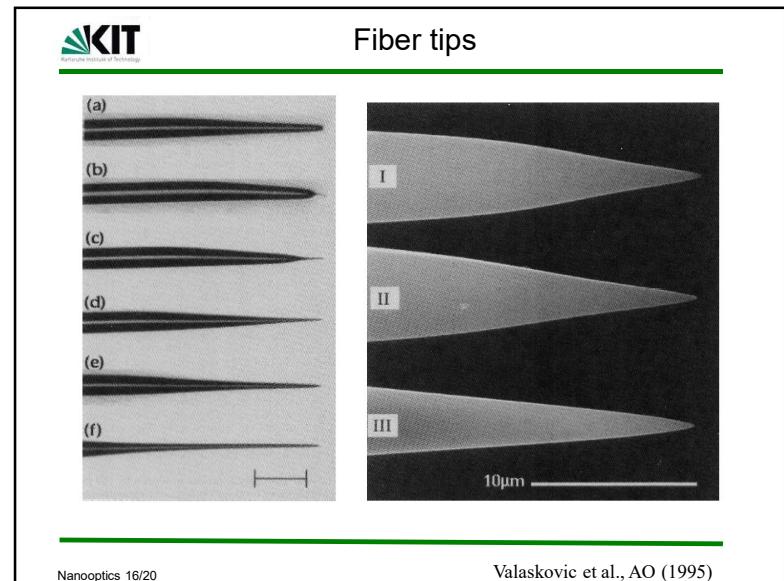
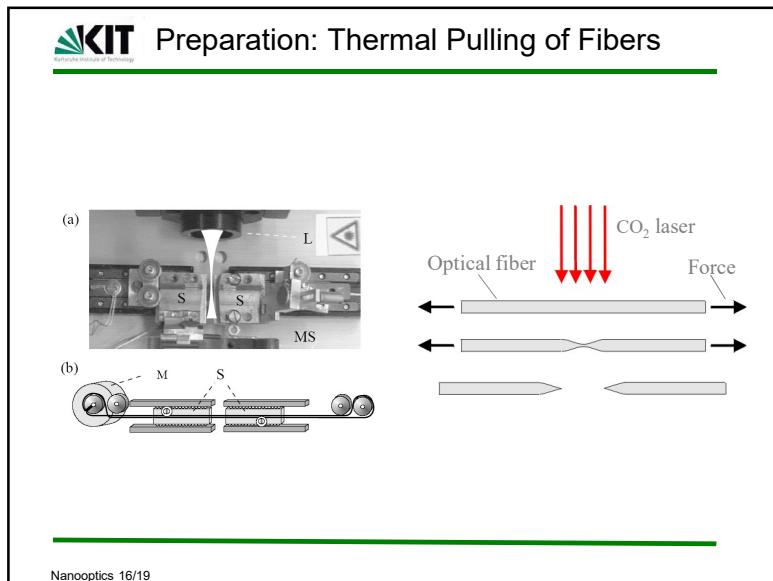
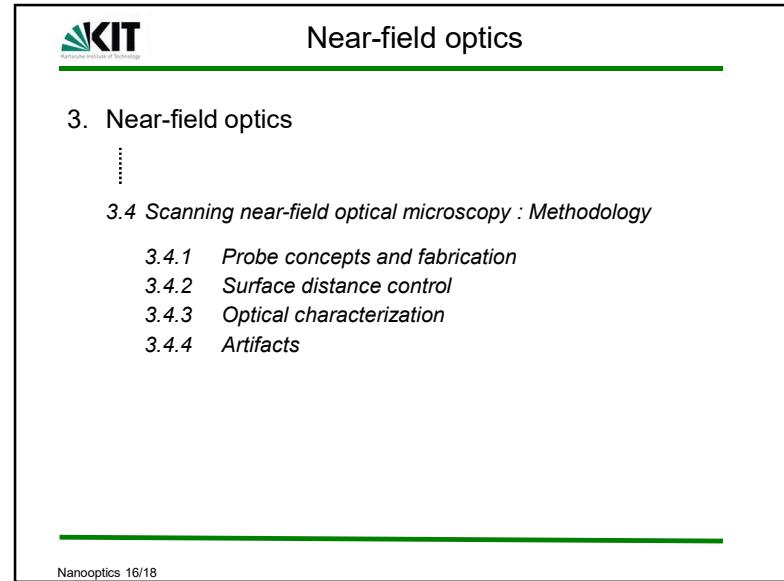
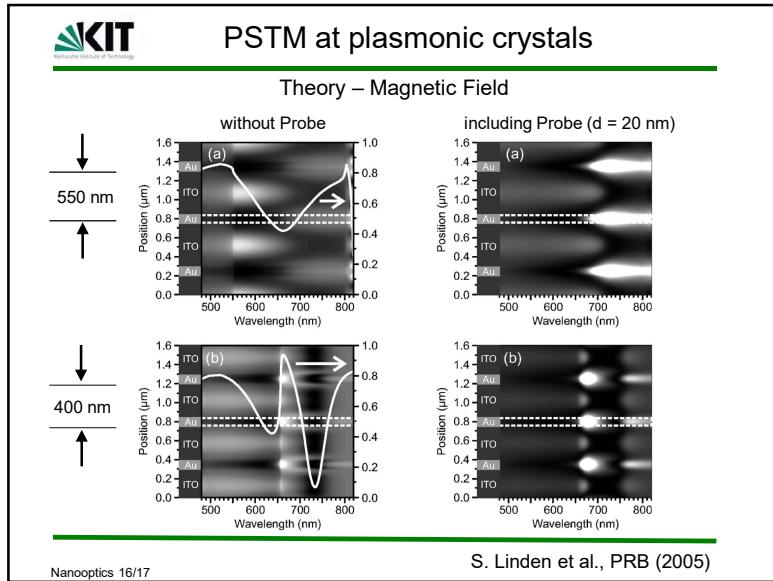
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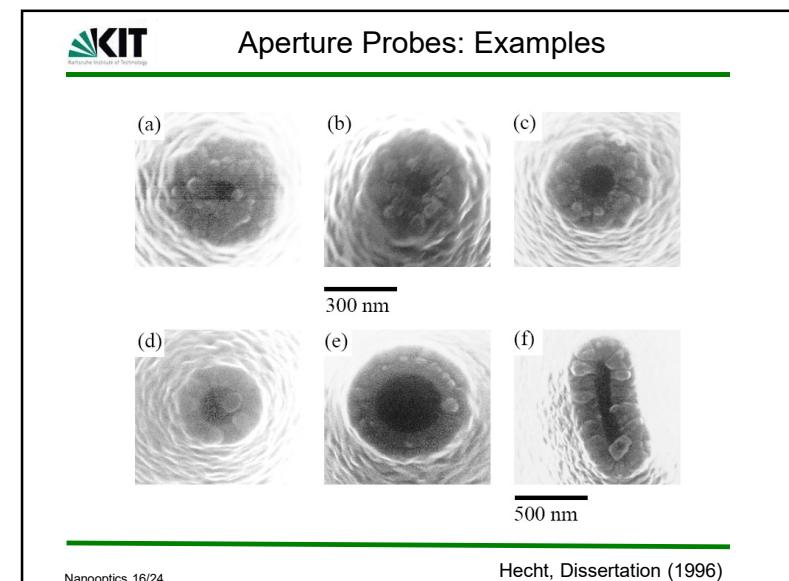
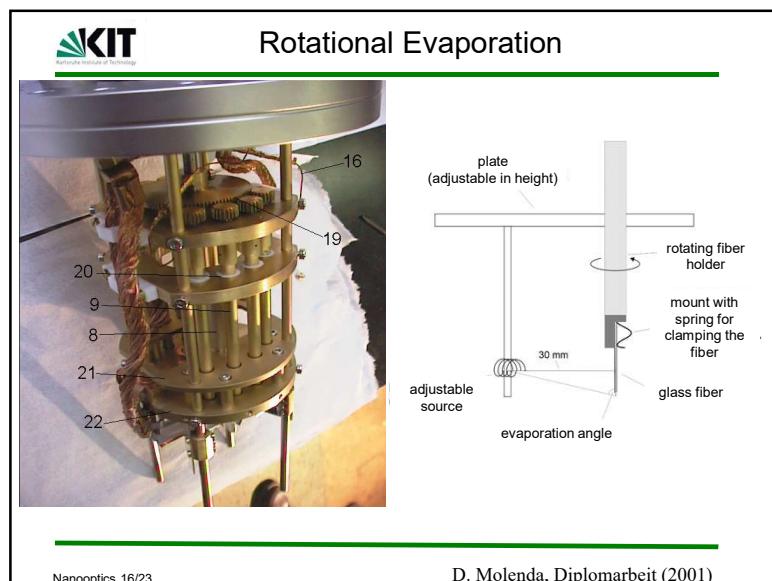
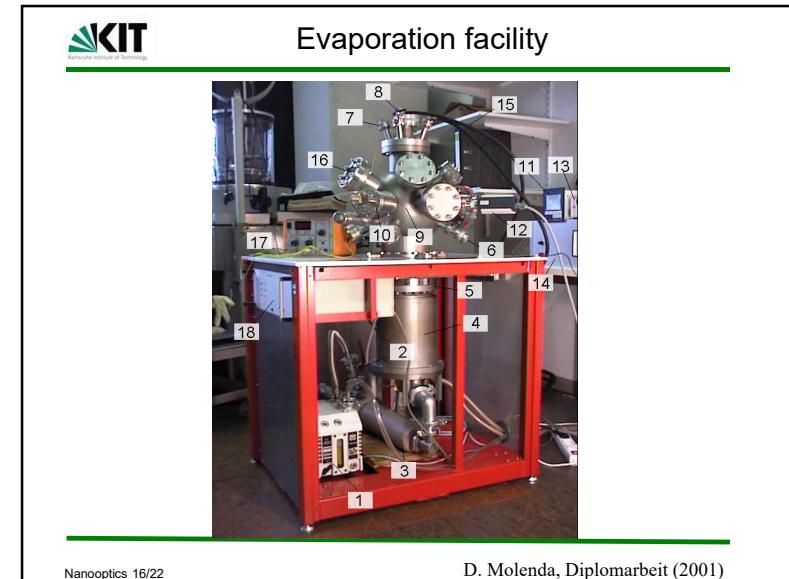
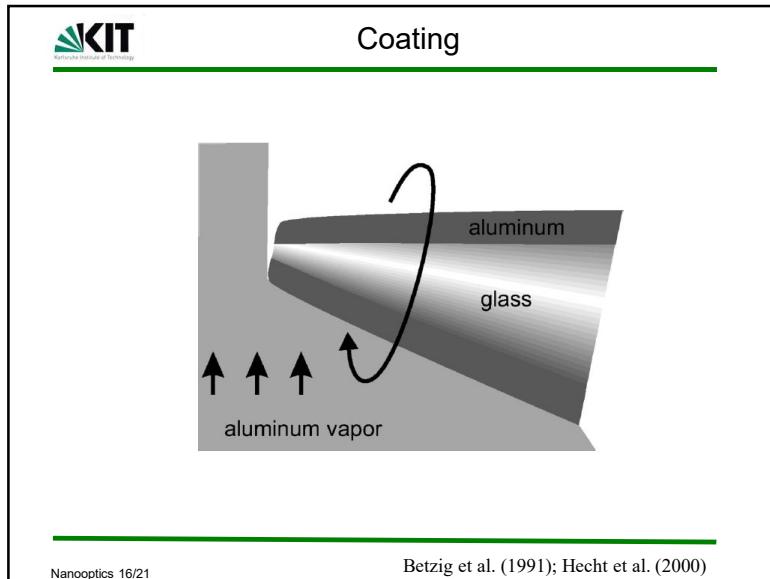
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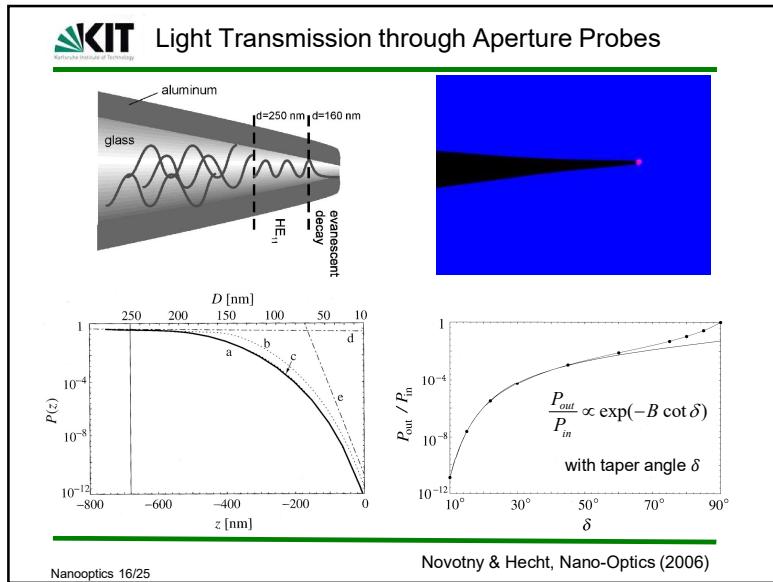












Merry Christmas
&
a Happy New Year



Congratulations