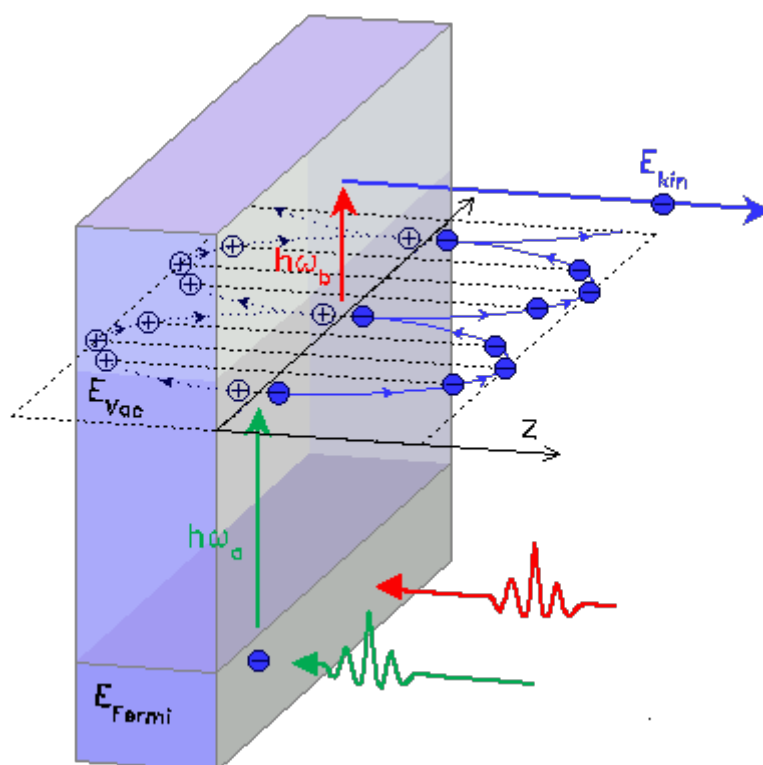


Symposium

Dynamics of Image-Potential States on Metal Surfaces

October 20 - 21, 1997

Max-Planck-Institut für Quantenoptik, Garching/ München
Germany



Organizer: [U. Höfer](#), Max-Planck-Institut für Quantenoptik in connection with Sonderforschungsbereich 338 München, "Adsorption an Festkörperoberflächen: Mikroskopische Analyse von Zuständen und Prozessen"

[View a photo of the participants](#)

Monday, 20 October 1997

Scientific Program

Opening

10:00 *Welcome, Coffee and refreshments*

Session I (chair: K. Kompa)

10:30 P. Echenique (San Sebastian) Image states: concept and development

11:30 W. Steinmann (München) Two-photon photoemission from image states: how it started

11:45 Th. Fauster (Erlangen) Two-photon photoemission from image states: recent experiments

12:30 *Lunch*

Session II (chair: D. Menzel)

14:30 M. Wolf (Berlin) Image-state dynamics on Cu(111):
excitation mechanisms, temperature dependent
lifetimes and dephasing rates

15:15 U. Höfer (MPQ Garching) Coherent excitation of image-potential
states and electron wave-packets

Coffee Break

16:30 W. Wurth (TU München) Femtosecond dynamics of adsorbate resonances
probed by core-hole spectroscopy

17:15 V. Nefedov (Moscow) Polarization energy and image-charge
potential in surface systems

19:30 *Dinner*

Tuesday, 21 October 1997 **Scientific Program**

Session III (chair: F. Rebentrost)

09:00 E. Chulkov (San Sebastian) Lifetime of image states on metal surfaces

09:45 Ch. Reuß (Erlangen) Control of the dephasing of image state electrons
by the adsorption of CO on Cu(100)

10:15 *Coffee Break*

Session IV (chair: P. Feulner)

10:45 W. Berthold (MPQ Garching) Effect of different xenon layers on the lifetime
of image-potential states on Ru(0001)

11:15 A. Hotzel (Berlin) Can we tailor lifetimes of electronic states at
surfaces by physisorbed adsorbates?

12:00 *Lunch*

Session V (chair: U. Höfer)

13:30 Discussion

15:00 End of program

For further information please contact:

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