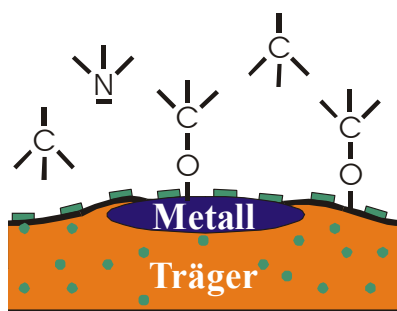


Ruhr-Universität Bochum



SFB 558

„Metall-Substrat-Wechselwirkungen in der heterogenen Katalyse“

**Einladung
zum Vortrag von**

Prof. Dr. L. W. Bruch
Department of Physics, University of
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(Gast von Prof. Wöll)

“Monolayer Phonons”

Abstract:

Inelastic helium atom scattering has dramatically expanded the scope of information for the dynamics of adsorbed layers, especially for physisorbed monolayer solids. The phonon dispersion relations give information both on the adatom-adatom interactions and, for partially commensurate monolayers, on the energy corrugation of the adatom-substrate potential. Several examples will be discussed to show successes and limitations of present understanding of the phenomena. The examples include: Xe, Kr, and Ar on Pt(111), Xe/Cu(111), Xe/Cu(110), H₂/MgO(001), and Ar/graphite.

Termin:	<u>Montag 21.07.2003</u>
Zeit:	14 Uhr ct
Ort:	<u>HNC 6/99</u>

Gäste sind herzlich willkommen.