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Einladung zum Seminar

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„Superfluid 3He-4He Mixtures“

The processes of temperature and concentration relaxation in 3He-4He superfluid mixtures are rather specific. A heat flow applied to the system induces temperature and concentration gradients which appear simultaneously and thus the process of thermal conductivity, thermal diffusion and mass diffusion are interrelated in these mixtures. We have investigated these properties in the mK temperature range, with particular attention given to the region of phase separation. It is found that in contrast to homogeneous liquids, the temperature and concentration relaxation in the phase separated mixtures can be described by a superposition of two exponential processes.

Host: S. Bühler-Paschen

06. Juni 2009, 10:00 Uhr
Seminarraum 138B, 7. OG, Turm C (rot)
Wiedner Hauptstraße 8-10
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