



## Michael Trupke

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### Integrating optical devices with atom chips

Atom chips are powerful tools which allow the cooling, trapping and transport of atoms close to their surface. The aim of the projects described in this talk is to complement these features with the detection and manipulation techniques offered by optical devices. The talk will focus on a scalable, fibre-coupled Fabry-Perot microcavity with which we have demonstrated the detection of atoms and observed cavity-enhanced photon emission. Recent improvements of the experimental apparatus will be presented, together with an outlook on the future of these experiments.



7. November 2008, 14:00 Uhr

Universität Ulm, Raum H13 / N24  
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