



SFB/TRR 21 - Seminar

12. September 2014, Stuttgart

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Towards Ultracold Mixtures of Lithium and Cesium

Ultracold mixtures hold the promise of understanding new phases of matter and collisions at very low energies. We have established an experiment for Bose-Fermi mixtures of 6Li and 133Cs , which are especially well suited to study impurities, transport, solitons or mixtures in optical lattices. Here we present the current status of our experiment. We detail the cooling schemes for the two atom species and include the implementation of evaporative cooling to produce a molecular BEC of 6Li .

12. September 2014, 9:45 Uhr

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