



SFB/TRR 21 - Seminar

25. März 2011, Stuttgart

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Strongly interacting fermions in Tokyo

Thermodynamic properties of matter generally depend on the details of interactions between its constituents. However, in an unitary Fermi gas, where the 2-body scattering length diverges, thermodynamics is determined through universal functions which depend solely on two parameters: the particle density and the temperature. Presenting the recent measurements of the universal thermodynamics functions [Science 327, 442 (2010)], I will discuss the status and perspective of Tokyo's lithium experiment.

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