

## ULTRACOLD STRONTIUM FOR CLOCKS, GRAVIMETERS AND MANY-BODY PHYSICS

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Ultracold gases enable precise clocks, gravimeters and designer many-body quantum systems. In part one of my talk I will describe our plan to create a continuous atom laser, its applications to precision measurement, and show a steady-state Sr sample close to quantum degeneracy. In part two I will discuss unusual magnetic Feshbach resonances in Rb-Sr mixtures, which might be the key to create ultracold RbSr molecules, and ideas for many-body physics with these molecules.

FRIDAY,  
27.10.2017

2:00 PM

CFEL  
SEMINAR ROOMS I-III

