

## Theoriekolloquium

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<https://meeting.uol.de/b/and-etc-jmj-1y9>

Am **20. Mai 2021 um 14.15 Uhr** hält

**Herr Dr. Oren Raz (Weizmann-Institut, Rehovot)**

einen Vortrag mit dem Titel

### **The Mpemba effect and optimal cooling/heating in many-body systems**

The “Mpemba effect” is a counter-intuitive phenomenon, where a hot system cools faster than a cold one, when both are cooled by coupling to a cold environment. This effect is known in water since ancient times, but was recently observed in several other systems, including magnetic alloys, colloidal systems, clathrate hydrates, and polymer crystallization. In the talk I will describe the known facts on this effect, describe several approaches to explain it, and will show that sometimes the fastest way to heat a “pizza” is to first let it cool in the freezer.

Interessierte sind herzlich eingeladen.

gez. Prof. Dr. Andreas Engel