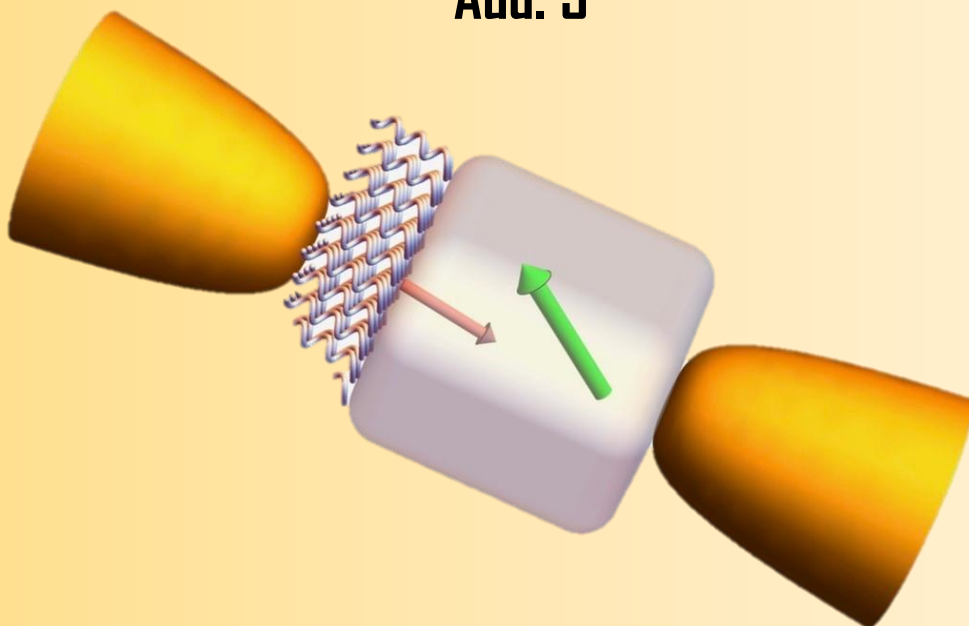


Chirality Induced Spin Selectivity

Seminar and Friday beer

Professor Per Hedegård

29 September 2023 at 15:00
Aud. 5



It has been known for more than 20 years, that if an electron is moving through a chiral molecule, such as e.g. a helical molecule, then the electron will have a preferred spin direction, when it emerges from the molecule. This effect was discovered by Naaman *et al.* and is denoted CISS (see title). The effect has been seen for very many molecules and in many different experiments (photoemission, Hall effect, transport into magnets, water splitting, etc). However, the theory of the phenomenon is much more elusive, and there is no agreed upon explanation. I will discuss this wonderful conundrum.

