



## Bachelor/Master thesis - Optical cooling of 2D nanomaterials

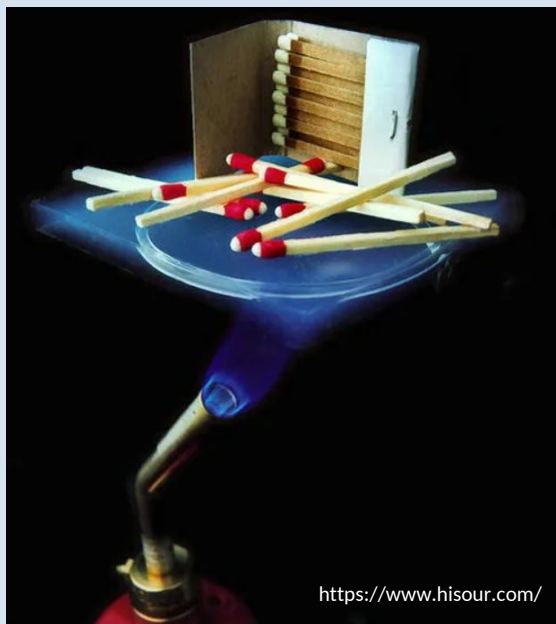
The optical cooling of condensed phases is one of the remaining grand challenges of light-matter interaction. Tailor-made novel two-dimensional nanomaterials are combined with thermally-insulating aerogels to create a promising approach.

### Aim of the project:

- Construction of an optical cooling setup.
- Implementation by using precise laser excitation and subsequent emission.

### Requirements:

- Background in Physics, Optical- or Nanotechnologies.
- Knowledge of Optics.
- Basic programming experience.
- Interest in experimental work, solid state physics and laser optics



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**We are looking forward to your application!**

**AG Oestreich**

