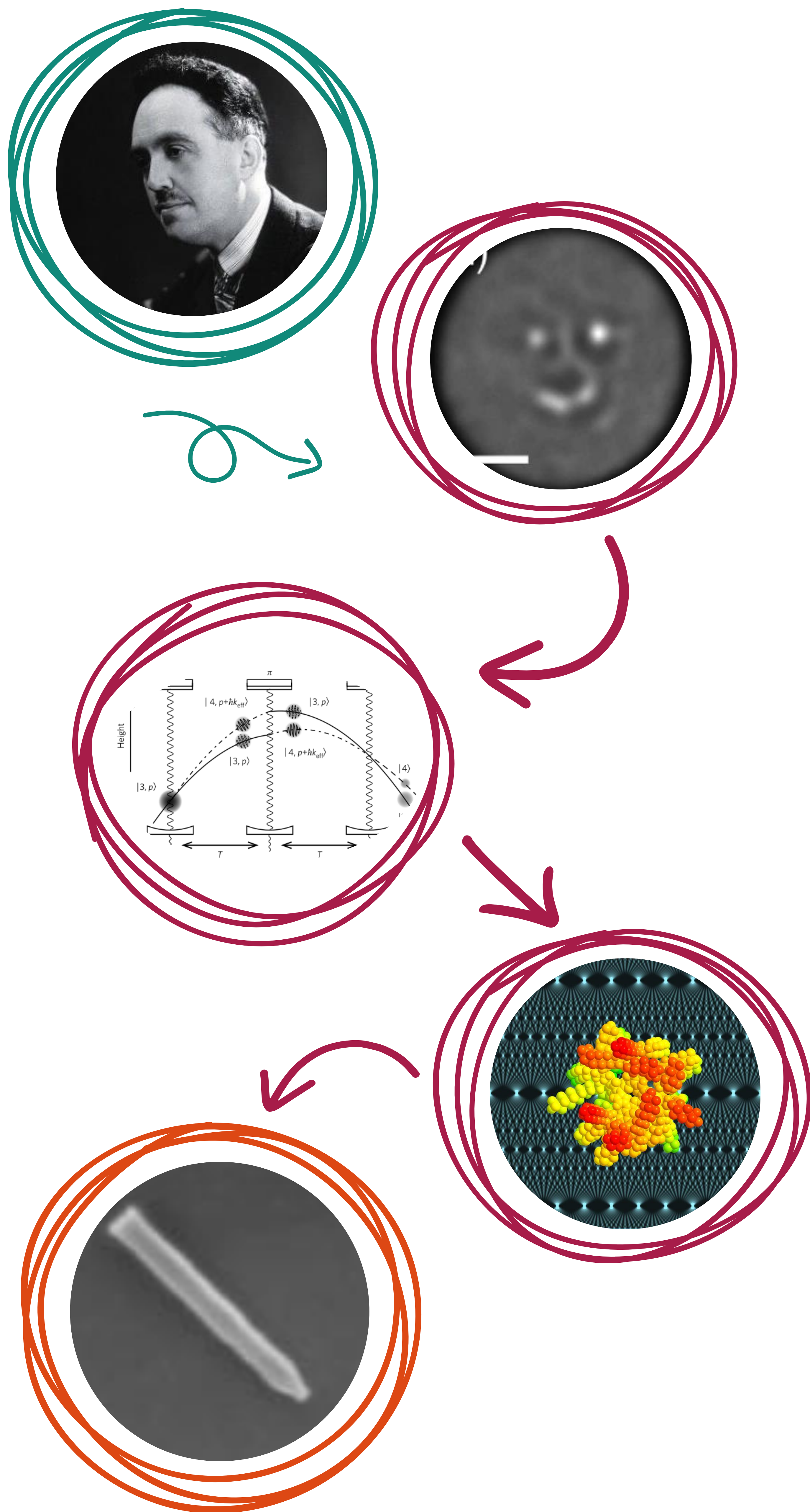




Summer Academy 2023

Matter Waves

vds-physics.univie.ac.at



In 1923, Louis de Broglie predicted matter-waves and stimulated quantum wave mechanics.

In **two weeks** of **lectures** and **exercises**, we will cover the concepts, ideas and realizations of modern matter wave research.

We will cover research with electrons, atoms, macro-molecules, clusters and nanoparticles.

You will discuss tests of the foundations of physics, as well as applications in quantum enhanced sensing, imaging and measurements at the interface to gravity research, chemistry, and biology.

WHERE: University of Vienna, Faculty of Physics

WHEN: 17 - 28 July 2023

LECTURERS:

Markus Arndt, Philipp Haslinger, Thomas Juffmann

TARGET GROUP:

local & international advanced BSc & MSc students

INFORMATION & REGISTRATION:

<https://vds-physics.univie.ac.at/>

REGISTRATION DEADLINE: 28 April 2023

Participation is free of charge.

For non-resident students:

limited financial support available