

THE NOBEL COLLOQUIUM

Thursday 26 October 2023, 4:00 p.m.
Nijenborgh 4, Room 5114.0043

Attoscience

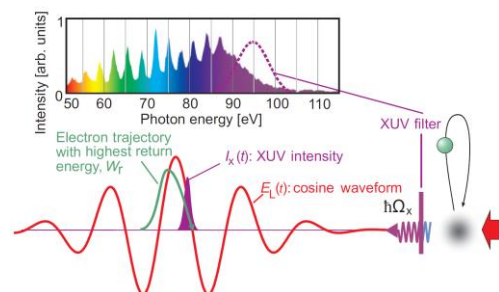
Prof Maxim S. Pchenitchnikov

Zernike Institute for Advanced Materials



The Nobel Prize in Physics 2023 was awarded to **Pierre Agostini, Ferenc Krausz and Anne L'Huillier** for experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter. Attosecond pulses are extremely short bursts of light, lasting for a billionth of a billionth of a second (10^{-18} seconds), enabling scientists to observe and understand processes occurring at the atomic and molecular level with remarkable precision.

In this talk, I will provide a brief overview of the technological developments that have made the generation of attosecond pulses possible, and discuss the scientific advancements and potential applications that could arise from this groundbreaking technology.



Join us for coffee starting 3:30 p.m. Refreshments will be served after the lecture.
For more information contact the host: Anastasia Borschevsky (a.borschevsky@rug.nl)
Website: <http://www.rug.nl/research/vsi/colloquia/>