



GUEST LECTURE

Prof. Marianna Safronova

NIST/University of Delaware, USA (Guest of Dr. André Kulosa)

Physikalisch Technische Bundesanstalt Bundesallee 100, 38116 Braunschweig RZB, Room 11 13 December, 2018, 3:30 pm

"Probing new physics with atomic clocks"

An extraordinary progress in quantum control and laser technologies led to the development of atomic clocks that will not lose a second in over 10 billion years. Exceptional precision of these clocks enabled searches for the variation of fundamental constants, dark matter, and violations of Einstein equivalence principle. I will give an overview of latest results and future prospects for the new physics searches with atomic clocks.

All DQ-mat members and all interested are cordially invited to attend.