

Title: Fundamental Physics with Atoms & Molecules

Abstract: Low-energy tests of fundamental symmetries & precision measurements provide a powerful window on possible BSM physics. There exists a rich complementarity between low-energy studies and those performed at the high-energy and astrophysics & cosmological frontiers. In this talk, I focus discuss low energy opportunities with atoms and molecules, focusing heavily on searches for parity- and time-reversal violating effects. Time permitting, I will also discuss briefly opportunities for precision measurements of charged and neutral current processes.

Michael Ramsey-Musolf