

Spring 2025 Physics Colloquium

Friday, March 21st

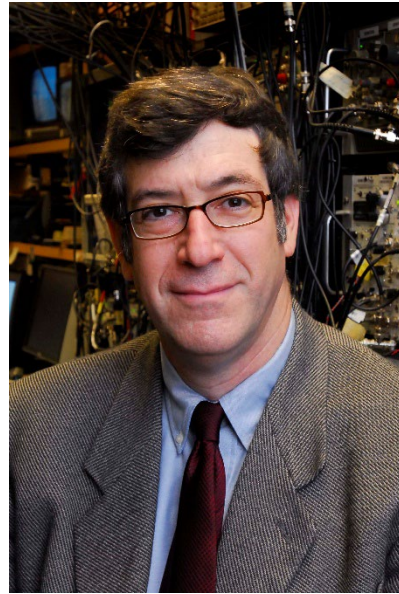
3:00 PM

PAS 201 or Zoom

<https://arizona.zoom.us/j/86395646910>

Mark G. Raizen

Department of Physics and Dell Medical School,
The University of Texas at Austin



Isotopes for Medicine and New Tests of Quantum

Abstract: In this talk, I will report on our progress in meeting three challenges from the past by James Clerk Maxwell, Ernest Rutherford, and Steven Weinberg. The connecting threads are isotopes of the elements, both stable and radioactive. New methods developed by our group and implemented at the non-profit Pointsman Foundation will make these isotopes readily available for new medical diagnostics and therapies. They will also enable new tests of quantum mechanics that are in progress in my group.

Bio: Mark Raizen is a Professor of Physics and Professor of Medicine at the University of Texas at Austin and holds the Sid W. Richardson Chair in Physics. He directs an experimental research program that bridges between applied and fundamental research. Raizen is a Fellow of AAAS, APS, and Optica. He received the I.I. Rabi Prize from the APS, Max Planck Award, Keck Foundation Award, Hertz Foundation Award, and Willis Lamb Medal. He and his wife are advocates for historical preservation and animal rights.

** Refreshments served in PAS 218 at 2:30 PM – 3:00 PM **

