

Biographical Sketch

Eric R. Hudson

Professional Preparation

University of Colorado – Boulder	Physics	M.S., 2004
University of Colorado – Boulder	Physics	Ph.D., 2006
Yale University, Postdoctoral Research	Physics	2006-2008

Appointments:

2017 -	Professor of Physics and Astronomy, UCLA
2014 - 2017	Associate Professor of Physics and Astronomy, UCLA
2008 - 2014	Assistant Professor of Physics and Astronomy, UCLA
2006 - 2008	Yale “AMO Prize” Postdoctoral Fellow, Yale University

Five recent publications:

1. **Synthesis of mixed hypermetallic oxide BaOCa^+ from laser-cooled reagents in an atom-ion hybrid trap**, Prateek Puri, Michael Mills, Christian Schneider, Ionel Simbotin, John Montgomery, Robin Cote, Arthur Suits, and Eric R. Hudson, *Science* **357**, 1370 (2017).
2. **Spectroscopy of a Synthetic Trapped Ion Qubit**, David Hucul, Justin E. Christensen, Eric R. Hudson, and Wesley C. Campbell, *Physical Review Letters* **119**, 100501 (2017).
3. **Blue-Sky Bifurcation of ion energies and the limits of neutral-gas sympathetic cooling of trapped ions**, Steve J. Schowlater, Alexander J. Dunning, Kuang Chen, Prateek Puri, Christian Schneider, and Eric R. Hudson, *Nature Communications* **7**, 12448 (2016).
4. **Evidence for sympathetic vibrational cooling of translationally cold molecules** Wade G. Rellergert, Scott T. Sullivan, Steven J. Schowalter, Svetlana Kotochigova, Kuang Chen, and Eric R. Hudson, *Nature* **495**, 490 (2013).
5. **Results of a Direct Search Using Synchrotron Radiation for the Low-Energy ^{229}Th Nuclear Isomeric Transition**, Justin Jeet, Christian Schneider, Scott T. Sullivan, Wade G. Rellergert, Saed Mirzadeh, A. Cassanho, H.P. Jenssen, Eugene V. Tkalya, and Eric R. Hudson, *Physical Review Letters* **114**, 253001 (2015).

Awards received:

Kavli Fellow, Kavli Frontiers of Science (2018).
Presidential Early Career Award for Scientists and Engineers (**PECASE**) (2016).
NIST PMG Award (2014).
NSF Career Award (2013).
Cottrell Scholar award (Research Corporation, 2012).
UCLA Physics & Astronomy Outstanding Teaching Award (2009,2010).
UCLA Physics & Astronomy Teacher of the Year, (2011).