

Abstract Submitted
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“Molecule chips” MICHAELA TSCHERNECK, MICHAEL HOLMES, AMY WAKIM, NICHOLAS BIGELOW, University of Rochester — Cooling and trapping of atoms close to a reflective surface – the so-called atom chip – and creating, manipulating, and detecting molecules are two exciting and promising fields. The tightness of atom chip traps and the ability to include optical elements on the chip surface allow for precise positioning and manipulation of the trapped atoms. So far, molecules have not been studied in a chip environment. In this talk, we will present our first results of such a “molecule chip”.

Michaela Tscherneck
University of Rochester

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