

## Wolfgang E. Ernst, publications on matter waves

1. Thomas Reisinger, Gianangelo Bracco, Stefan Rehbein, Günter Schmahl, Wolfgang E. Ernst and Bodil Holst, Direct Images of the Virtual Source in a Supersonic Expansion, *J. Phys. Chem. A* **111**, 12620-12628 (2007).
2. J. Piskur, L. Borg, A. Stupnik, M. Leisch, W. E. Ernst, and B. Holst, Field Ionization of Free Helium Atoms: Correlation Between the Kinetic Energy of Ionized Atoms and Probability of their Field Ionization, *Appl. Surf. Science* **254**, 4365-4369 (2008).
3. M. Koch, S. Rehbein, G. Schmahl, T. Reisinger, G. Bracco, W. E. Ernst, and B. Holst, Imaging with Neutral Atoms – a New Matter Wave Microscope, *J. Microsc.* **229**, 1-5 (2008, with cover picture).
4. T. Reisinger, A. Patel, H. Reingruber, K. Fladischer, W. E. Ernst, G. Bracco, H.I. Smith, B. Holst, Poisson's Spot with Molecules, *Phys. Rev. A* **79**, 053823-1-4 (2009), **highlighted by *Nature* 459**, 486 (28 May 2009).
5. K. Fladischer, H. Reingruber, T. Reisinger, V. Mayrhofer, W. E. Ernst, A. E. Ross, D. A. MacLaren, W. Allison, D. Litwin, J. Galas, S. Sitarek, P. Nieto, D. Barredo, D. Fariás, R. Miranda, B. Surma, A. Miros, B. Piatkowski, E. Søndergård and B. Holst, An ellipsoidal mirror for focusing of neutral atomic and molecular beams, *New Journal of Physics* **12**, 033018-1-10 (2010).