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Quantum Mechanical Description of Dipole-Bound Anions of Molecules and Clusters[1] NIKITA KIRNOSOV, LUDWIK ADAMOWICZ, The University of Arizona — Quantum mechanical description of dipole-bound anionic complexes formation is given by means of *ab-initio* calculations. The electron affinities and electron detachment energies are determined at the CCSD(T) level of theory for number of molecular clusters. Photoelectron spectra peaks are assigned and the mechanisms for the formation of the anions are elucidated.

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