Abstract Submitted
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High Energy Scattering from all Isotopormers of H2 STEVEN ALEXANDER, Southwestern University, R.L. COLDWELL, University of Florida — Using variational Monte Carlo and simple, explicitly-correlated fully-nonadiabatic wavefunctions for the lowest rovibrational state of all the H2 isotopomers, we have computed cross sections for the elastic and inelastic scattering of fast electrons and X-rays. Our results are in good agreement with the calculations of Kolos, Monkhorst and Szalewicz (J. Chem. Phys. 77, 1323 (1982)).

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