Antiproton-impact ionization of $\text{H}_2$\textsuperscript{1} TECK-GHEE LEE, M.S. PINDZOLA, Auburn University, J. COLGAN, Los Alamos National Lab — Antiproton-impact ionization cross sections are calculated for $\text{H}_2$. Both one active and two active electron time-dependent close-coupling methods are used to calculate cross sections for $\text{H}_2$ at various molecular orientations for incident energies ranging from 1 to 100 keV. Differences between the calculations for the single ionization of $\text{H}_2$ are attributed to strong electron correlation effects in the few-body system. The results are compared with experiments [1,2].


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