

Abstract Submitted  
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**Vibrational excitation of methyl chloride by low energy electron impact**<sup>1</sup> MURTADHA KHAKOO, AHMAD SAAKAMINI, LEIGH HARGREAVES, Cal State Univ- Fullerton, CARL WINSTEAD, VINCE MCKOY, Caltech — Differential scattering cross sections for low energy vibrational excitation of methyl chloride are presented. The experimental and theoretical (Schwinger Multi-Channel model) results comprise 5 vibrational excitation energy loss features of methyl chloride. The incident electron energy range is from 1eV to 15eV and scattering angles from 10 to 130 degrees. Comparisons with other available results will be presented.

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