

Abstract Submitted
for the MAR09 Meeting of
The American Physical Society

Using Rotationally Resolved Electronic Spectroscopy to Probe Chiral Molecules in the Gas Phase¹ JUSTIN YOUNG, LEONARDO ALVAREZ-VALTIERRA, DAVID PRATT, University of Pittsburgh — It is well established that biological processes involving chiral molecules can show a preference of one enantiomer relative to the other. Reported here are high resolution spectroscopy experiments that allow one to distinguish one diastereomer from another, and thereby establish if the structural requirements for diastereoisomism are present.

¹Work supported by NSF (CHE-0615755)

Justin Young
University of Pittsburgh

Date submitted: 29 Nov 2008

Electronic form version 1.4