

# P5345: TUNNELING AND RING OPENING IN THE CYCLOPROPYL RADICAL AND CATION

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- The cyclopropyl radical has interesting phenomena:
  - Ring-flip tunneling
  - Ring-opening upon ionization
- Ionization spectrum simulated using propagator methods
- New ms-SPES PEPICO measurements
- Good match to experiment – both allyl and cyclopropyl
- Allows extraction of fundamental thermochemical values: ring strain,  $c\text{-C}_3\text{H}_6$  C-H BDE

