

Description of Additional Supplementary Files

File Name: Supplementary Video 1

Description: Trajectory of the calculated rotation of OH (highlighted in red) about the C_2 axis. Li in green, S in yellow, P in violet, O in magenta and H in pink.

File Name: Supplementary Video 2

Description: Trajectory of the calculated rotation of BH₄ (highlighted in red) about the C_2 axis. Li in green, S in yellow, P in violet, B in light blue and H in pink.

File Name: Supplementary Video 3

Description: Trajectory of the calculated rotation of BH₄ (highlighted in red) about the C_3 axis. Li in green, S in yellow, P in violet, B in light blue and H in pink.