Unambiguous rovibrational spectroscopic assignment \((v_1, v_2, v_3, J, K_a, K_c)\) up to \(J,K_a=30\) of PS energy levels for the (000), (010), (100), (020) and (001) vibrational states of nine isotopic species \((\text{H}_2\text{O}, \text{H}_2\text{O}, \text{H}_2\text{O}, \text{HD}_2\text{O}, \text{HD}_2\text{O}, \text{HD}_2\text{O}, \text{D}_2\text{O}, \text{D}_2\text{O}, \text{D}_2\text{O})\) of the water molecule will be presented. PS levels were calculated with the help of an accurate isotope dependent potential energy surface by Partridge and Schwenke\(^a\) and a large basis set. PS levels will be compared with experimental levels collected from the literature. Differences between PS and BT2\(^b\) calculated levels for the \(\text{H}_2\text{O}\) isotopic species will be also given and discussed.
