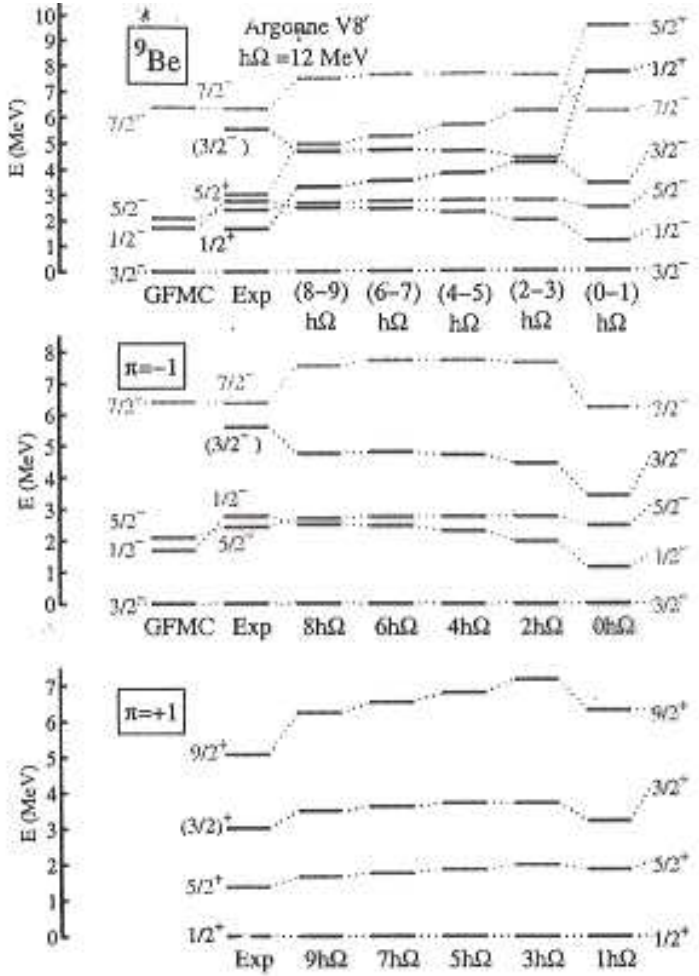

FIG. 3: (Color online) Excitation spectrum for ^{9}Be calculated using the AV8′ interaction in $0\hbar\Omega$–$9\hbar\Omega$ model spaces with a fixed HO frequency of $\hbar\Omega = 12$ MeV. The experimental values are from Ref. [33]. The AV8′ results obtained by the GFMC method [29] are shown for comparison (note that only negative-parity states were computed). The two lower graphs show separately the negative- and positive-parity spectra, while the upper graph shows the combined spectrum with selected states.

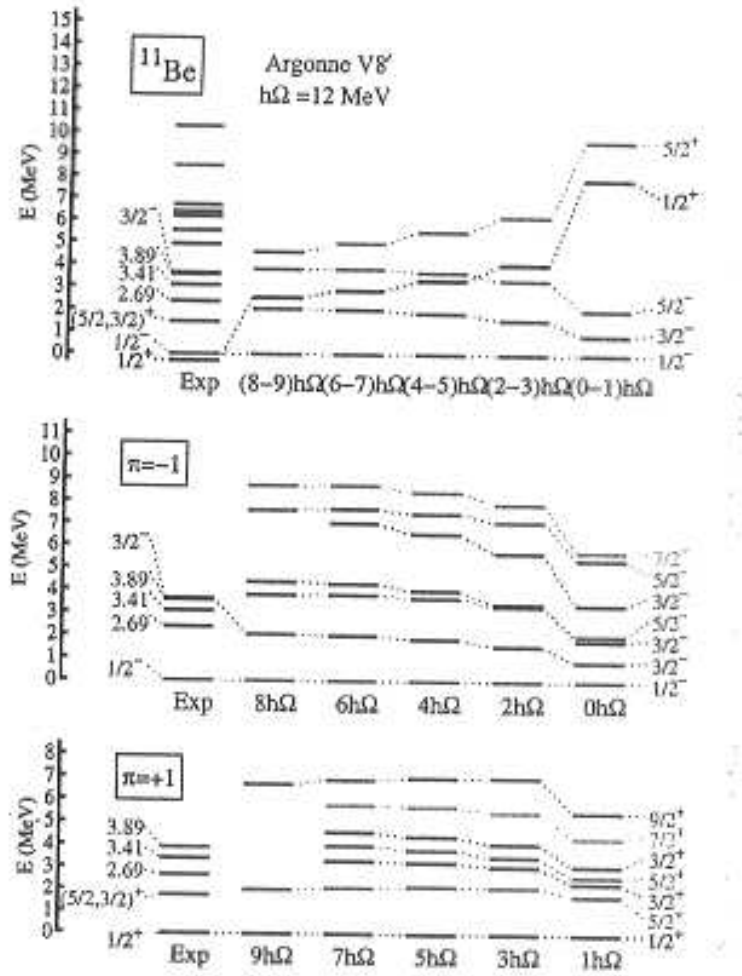

FIG. 5: (Color online) Excitation spectrum for ^{11}Be calculated using the AV8′ interaction in $0\hbar\Omega$–$9\hbar\Omega$ model spaces with a fixed HO frequency of $\hbar\Omega = 12$ MeV. The experimental values are from Ref. [39]. The two lower graphs show separately the negative- and positive-parity spectra, while the upper graph shows the combined spectrum with selected states.

C. Forssen, P. Navratil, W. Ormand, E. Caurier, PRC 71, 044312 (2005)