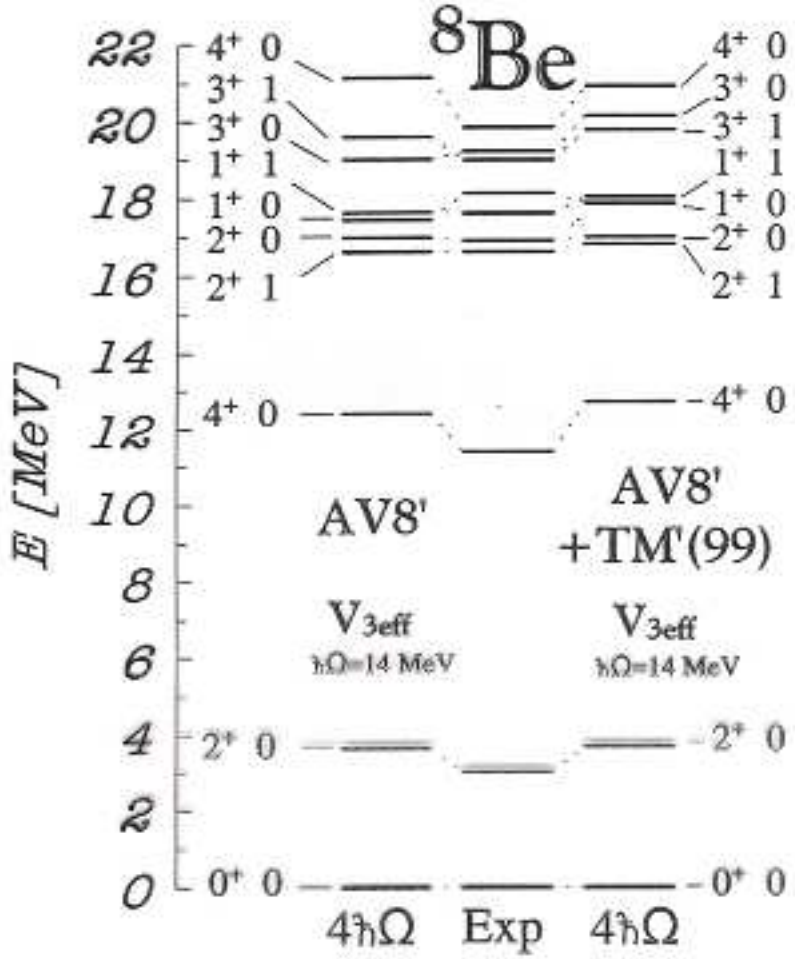

FIG. 3: Calculated positive-parity excitation spectra of ^{8}Be obtained in $4\hbar\Omega$ basis space using three-body effective interaction derived from AV8′ NN potential and AV8′ NN potential plus TM′(99) three-nucleon interaction, respectively, are compared to experiment. The HO frequency of $\hbar\Omega = 14$ MeV was used. The experimental values are from Ref. [21].

P. Navratil, W. Ormand, PRC 68, 034305 (2003)