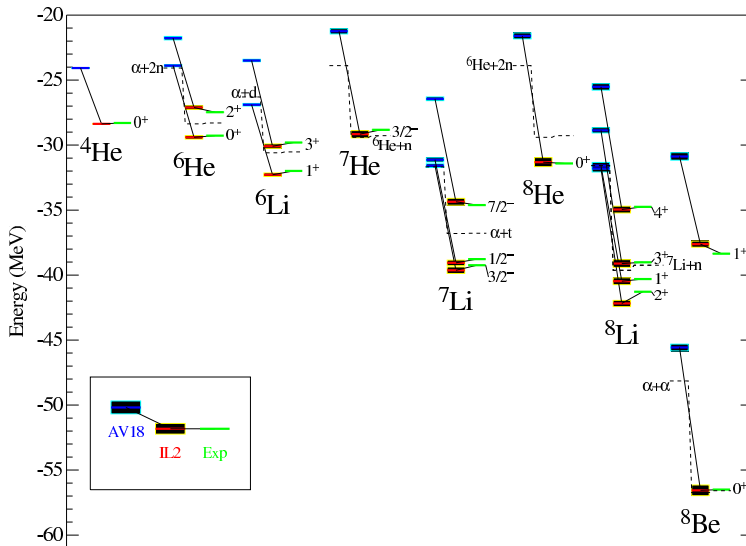
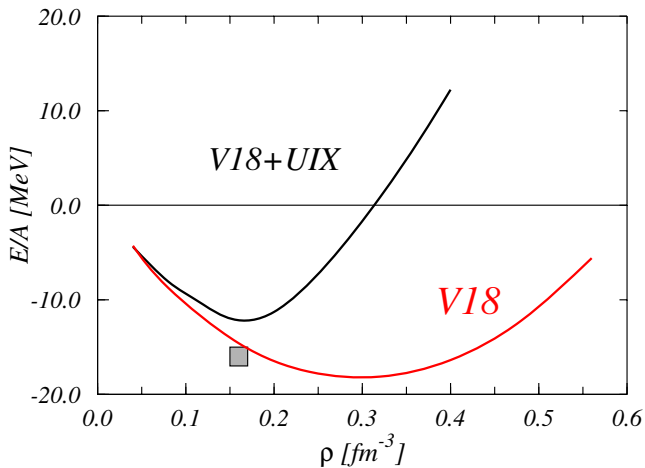


S.C. Pieper and R.B. Wiringa, Ann. Rev. Nucl. Part. Sci. 51 (2001) 53.





Akmal, Pandharipande, Ravenhall, PRC 58 (1998) 1804, Tab. VI

		^{12}C	^{16}O	^{40}Ca	^{48}Ca	^{208}Pb
$\nu_8' + \text{UIX}$	T	27.13	32.33	41.06	39.64	39.56
	$V_{2\text{-body}}^6$	-29.13	-38.15	-48.97	-46.60	-48.43
	V_{LS}	-0.51	-0.70	-0.85	-0.79	-0.80
	V_{Coul}	0.67	0.86	1.96	1.57	3.97
	$T + V(2)$	-1.84	-5.66	-6.83	-6.24	-5.80
	$V_{3\text{-body}}$	0.66	0.86	1.76	1.61	1.91
	E	-1.17	-4.80	-5.05	-4.62	-3.78
$\nu_{14} + \text{UVII}$	T	24.63	29.25	37.70	36.47	36.48
	$V_{2\text{-body}}^6$	-27.08	-35.84	-47.16	-44.86	-46.87
	V_{LS}	-0.06	-0.10	-0.10	-0.09	-0.08
	V_{Coul}	0.68	0.88	2.02	1.59	4.03
	$T + V(2)$	-1.83	-5.81	-7.54	-6.89	-6.44
	$V_{3\text{-body}}$	0.54	0.69	1.28	1.15	1.41
	E	-1.29	-5.12	-6.26	-5.74	-5.03
	E_{exp}	-7.68	-7.97	-8.55	-8.66	-7.86

Densità a tre corpi non correlata

$$\rho(1, 2, 3) = \begin{pmatrix} \rho(1, 1) & \rho(1, 2) & \rho(1, 3) \\ \rho(2, 1) & \rho(2, 2) & \rho(2, 3) \\ \rho(3, 1) & \rho(3, 2) & \rho(3, 3) \end{pmatrix}$$

^4He AV8'/UIX

	$\langle v3_{2.1}^{2\pi} \rangle$	$\langle v3_R \rangle$
<i>dir</i>	-0.306	0.903
exc13	0.075	-0.222
exc23	0.083	-0.241
exc12	-0.416	-0.082
exc123	-0.194	-0.038
$\langle v3_{2.1}^C \rangle$		-0.004
$\langle v3_R^C \rangle$		-0.015
$\langle v3_{tot} \rangle$		-0.459

Hamiltonian	RFHNC/SOC	VMC	GFMC	Expt.
<i>AV18</i>		-23.72(3)	-24.07(4)	
<i>AV8'</i>	-23.85			
<i>AV18/UIX</i>		-27.78(3)	-28.33(2)	
<i>AV8'/UIX</i>	-25.69			
<i>AU14</i>		-23.5(1)		
<i>AU8</i>	-23.73			
<i>AU14/UVIII</i>		-27.2(1)	-28.3(2)	
<i>AU8/UVIII</i>	-25.65			
				-28.29