Ca40 40 MeV a 3- state and 2 2+ states

States FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
f slaw (4)500 (1) Haptical patentials
.050 18.00 1.e-06 1.e-06
0.00 40.00000 0.50000 1.00742 39.96259 20.00000
0  0
3.00 D 3.737 parity
(1) 1 $(0)$
J 2.00 D 3.904 Pressy
$(2)00  ext{ } 1 + 5.903$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
3 0 .42 B - Celormario
2 0 .36
.3600 .36 .3600 .3600 .36 0.0
(2) 0 .22
.2200 .22 .2200 .2200 .2200 .22 0.0
43.94816 1.20600 0.67600
3.59946 1.20600 0.67600
0.00000  1.29500  0.53500 $5.57740  1.29500  0.53500$
5.10106 1.01000 0.60000
-0.22453 1.01000 0.60000 -0.22453 1.01000 0.60000
1.28500 0.00000 0.00000
0.00000 0.00000 0.00000 1/ 1/ OF GOOM
$0.00000 \ 1.29500 \ 0.53500$ $5.57740 \ 1.29500 \ 0.53500$ $5.10106 \ 1.01000 \ 0.60000$ $-0.22453 \ 1.01000 \ 0.60000$ $1.28500 \ 0.00000 \ 0.00000$ $0.00000 \ 0.00000 \ 0.00000$ $0.00000 \ 2.00000 \ 180.000$
fin