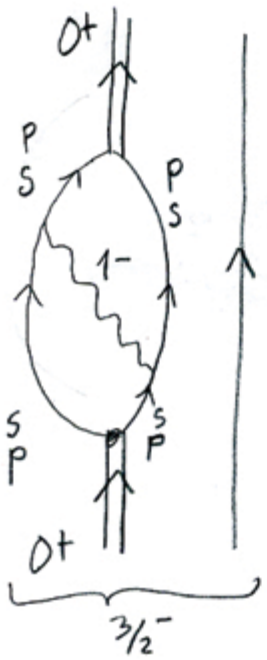
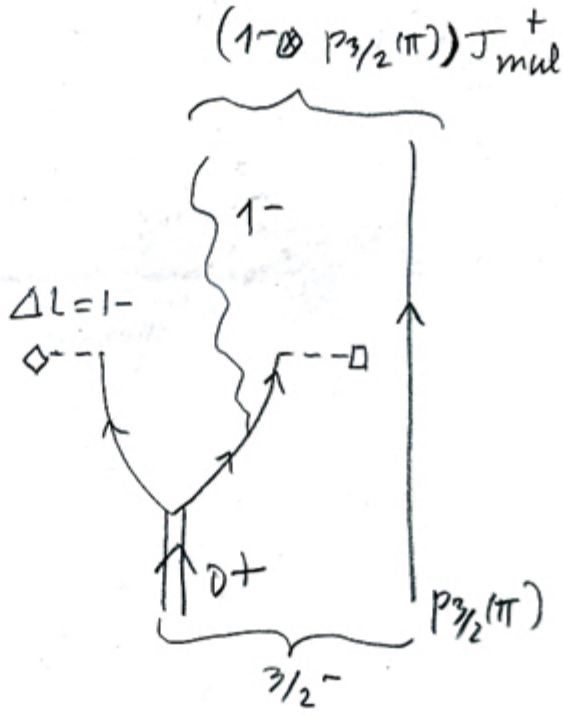
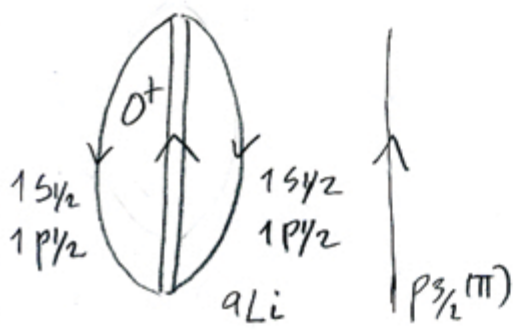
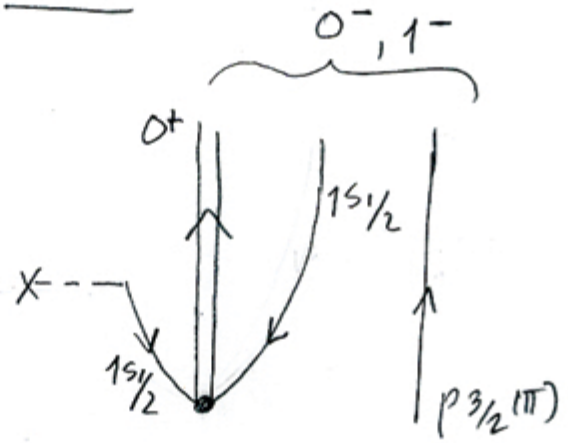




$^{11}Li(gs;\ 3/2^-)\ (p,d)\ ^{9}Li\ ((1^- \otimes p_{3/2}(\pi))\ J^+_{mult})$

$+n$





$^{9}Li(d,p)\ ^{10}Li\ (((0^+ \otimes 1s_{1/2}) \otimes p_{3/2}(\pi));0^-,1^-)$

0+

res. { ~~XX~~ 2p1/2, 2s1/2

~~////~~ 1p3/2

~~(0)(0)~~ 1s1/2

0+

Of notice ~~that~~ ~~the~~ final (many-body) ~~state~~, may display a ~~shorter~~ energy (longer ~~lifetime~~) than eventually the ~~state~~ ε s1/2 (originating from the continuum 1s1/2 state)

The coexistent 0+ ~~state~~ of ^{16}O may be useful as analogy (Federman, Talmi).