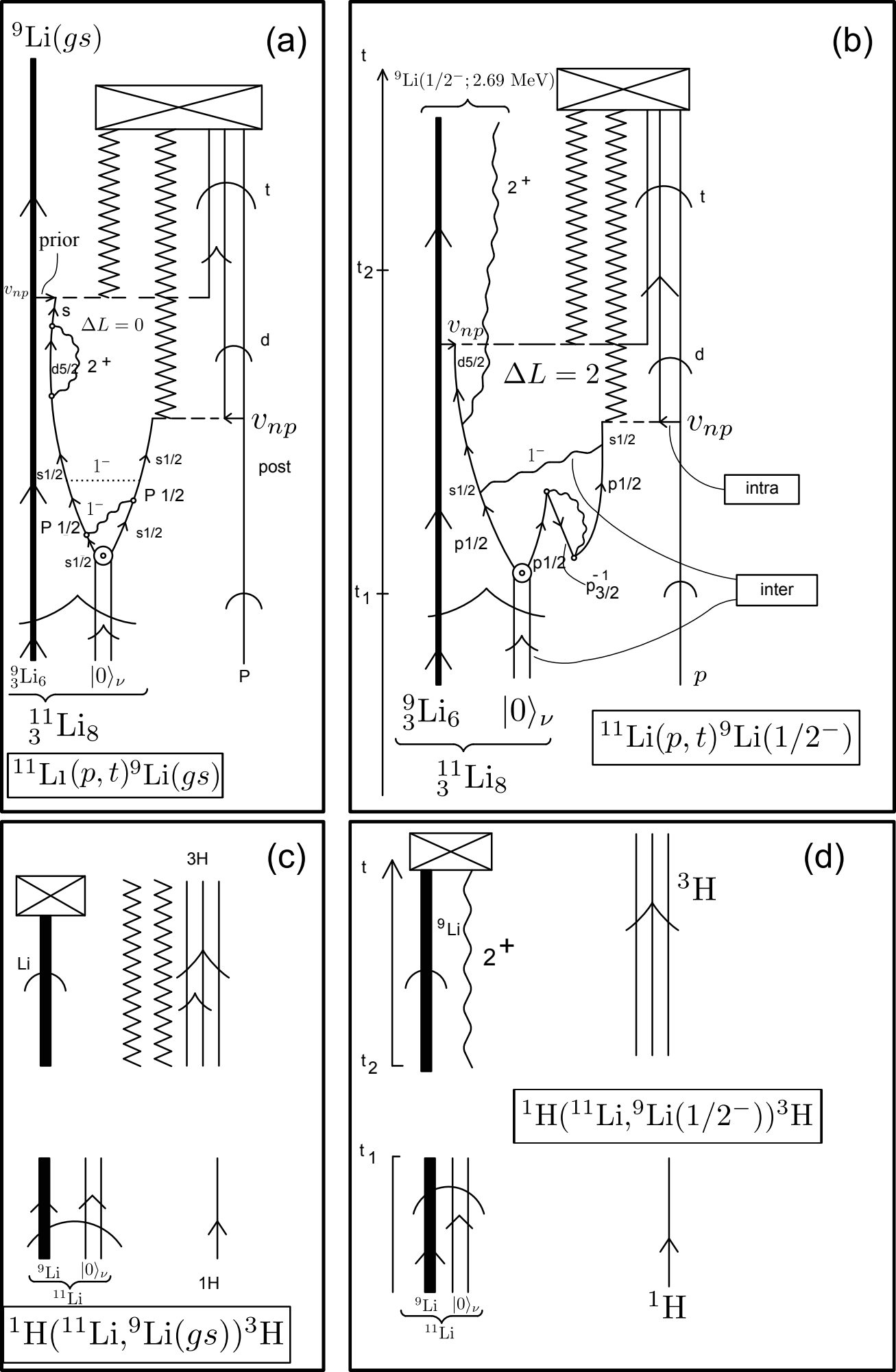
(a)
^{9}Li(gs)
prior
v_{np}
s
$\Delta L = 0$
d5/2
2 +
t
d
v_{np}
post
s1/2
1−
s1/2
P 1/2
1−
P 1/2
s1/2
s1/2
$^9_3$Li$_6$
$|0\rangle_\nu$
P
$^{11}_3$Li$_8$
^{11}Li$(p,t)^9$Li(gs)
(b)
t
^{9}Li(1/2−; 2.69 MeV)
2 +
t
t$_2$
v_{np}
d5/2
$\Delta L = 2$
d
v_{np}
s1/2
1−
s1/2
p1/2
intra
p1/2
p1/2
$p^{-1}_{3/2}$
inter
t$_1$
p
$^9_3$Li$_6$
$|0\rangle_\nu$
$^{11}_3$Li$_8$
^{11}Li$(p,t)^9$Li(1/2−)
(c)
3H
Li
^{9}Li
$|0\rangle_\nu$
^{11}Li
1H
^{1}H(^{11}Li,^{9}Li(gs))^{3}H
(d)
t
^{9}Li
2+
^{3}H
t$_2$
^{1}H(^{11}Li,^{9}Li(1/2−))^{3}H
t$_1$
^{9}Li
$|0\rangle_\nu$
^{11}Li
^{1}H