^{1}H(^{11}Li,^{11}Li) 2009Ro04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu	NP A880, 88 (2012)	1-Jan-2011

1992Ta15: ^{1}H(^{11}Li,^{9}Li), E=800 MeV/nucleon, measured invariant σ, fragment transversemomentum distributions. ^{11}Li deduced density distribution, halo neutrons correlation.

2008Ta13: ^{1}H(^{11}Li,^{9}Li)^{3}H, E=3 MeV/nucleon, measured $\sigma(\theta)$, proton-Li-coin using gas-Si-CsI target-detection system (MAYA active target). Deduced spectroscopic factors.

2009Ro04: ^{1}H(^{11}Li,^{9}Li), E=5 MeV/nucleon, measured reaction Q-value, mass.

^{11}Li Levels

E(level)	Comments
0	E(level): deduced from two independent measurements of ^{1}H(^{11}Li,^{9}Li) yielding Q=8123 keV *25* and Q=8106 keV *42*, this corresponds to Q=8119 MeV *22* (2009Ro04) and gives S(2n)=363 keV *22*. But see discussion In Adopted Levels table.